

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 92.03.11

ASSESSMENT REPORT 21411

MINING DIVISION: Liard

PROPERTY: B1-N
LOCATION: LAT 56 57 06 LONG 130 49 36
UTM 09 6313277 388893
NTS 104B15W
CLAIM(S): B1-N,B2-N,Rest 3
OPERATOR(S): Kestrel Res.
AUTHOR(S): Tennant, S.J.
REPORT YEAR: 1991, 68 Pages
COMMODITIES
SEARCHED FOR: Gold,Copper
KEYWORDS: Mississippian and older (?),Mafic-felsic volcanics,Biotite granite
Fractures,Quartz veins,Pyrite,Chalcopyrite
WORK
DONE: Drilling,Geochemical
DIAD 339.6 m 2 hole(s);BQ
Map(s) - 3; Scale(s) - 1:2000,1:50
ROCK 128 sample(s) ;ME
Map(s) - 1; Scale(s) - 1:10000
RELATED
REPORTS: 18552
MINFILE: 104B 024

LOG NO: JUN 17 1991 RD.
ACTION:
FILE NO:

**REPORT ON THE
B1-N, B2-N, REST 3-4 MINERAL CLAIMS
1990 DIAMOND DRILLING AND GEOCHEMICAL REPORT**

ISKUT RIVER AREA
LIARD MINING DIVISION
BRITISH COLUMBIA

**SUB-RECORDER
RECEIVED**
JUN 10 1991
M.R. # \$
VANCOUVER, B.C.

56°57' NORTH LATITUDE
130°50' WEST LONGITUDE
N.T.S. 104 B/15

Claim Name	Record No.	No. of Units	Record Date
REST 3	3983	16	Mar. 10, 1987
REST 4	3984	16	Mar. 10, 1987
B1-N	5165	20	Aug. 29, 1988
B2-N	5166	10	Aug. 29, 1988

Work Period: June 10, 1990 to September 15 1990

Owner and Operator: KESTREL RESOURCES LTD.
506 - 675 West Hastings Street
Vancouver, B.C.
V6B 1N2
(604) 683-9177

By: S.J. Tennant

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
June, 1991

21,411

TABLE OF CONTENTS

	Page
INTRODUCTION	1
LOCATION, ACCESS AND TOPOGRAPHY	1
PROPERTY AND LIST OF CLAIMS	2
AREA HISTORY	2
REGIONAL GEOLOGY	3
PROPERTY GEOLOGY	5
EXPLORATION PROGRAM	5
DISCUSSION OF RESULTS	6
RECOMMENDATIONS	7
BIBLIOGRAPHY	8
STATEMENT OF QUALIFICATIONS	9
PROGRAM COSTS	10

List of Figures

Figure 1	Index Map	
Figure 2	Claim Map; Scale 1:50,000	
Figure 3	Regional Geology; Scale 1:250,000	
Figure 4	Property Geology; Scale 1:50,000	
Figure 5	Sample Location Map; Scale 1:10,000	In pocket
Figure 6	Geophysical Survey Interpretation; Scale 1:2,000	In pocket
Figure 7-8	Drill Sections; Scale 1:50	In pocket

List of Appendices

Appendix I	Diamond Drill Logs
Appendix II	Sample Assay Results
Appendix III	Sample Descriptions

INTRODUCTION

The B1-N, B2-N, Rest 3 and 4 mineral claims (total of 62 units) were staked August 29, 1989 and March 10, 1987 respectively. The claims are located 12 km northeast of Newmont Lake at the headwaters of the north arm of Forrest Kerr Creek (NTS 104B/15). The claims are accessible by helicopter from a base camp at the Forrest Kerr airstrip located 3 kilometers to the south.

The claims are predominantly underlain by Mississippian and older(?) mafic to felsic volcanics, intruded by a number of biotite granite plugs.

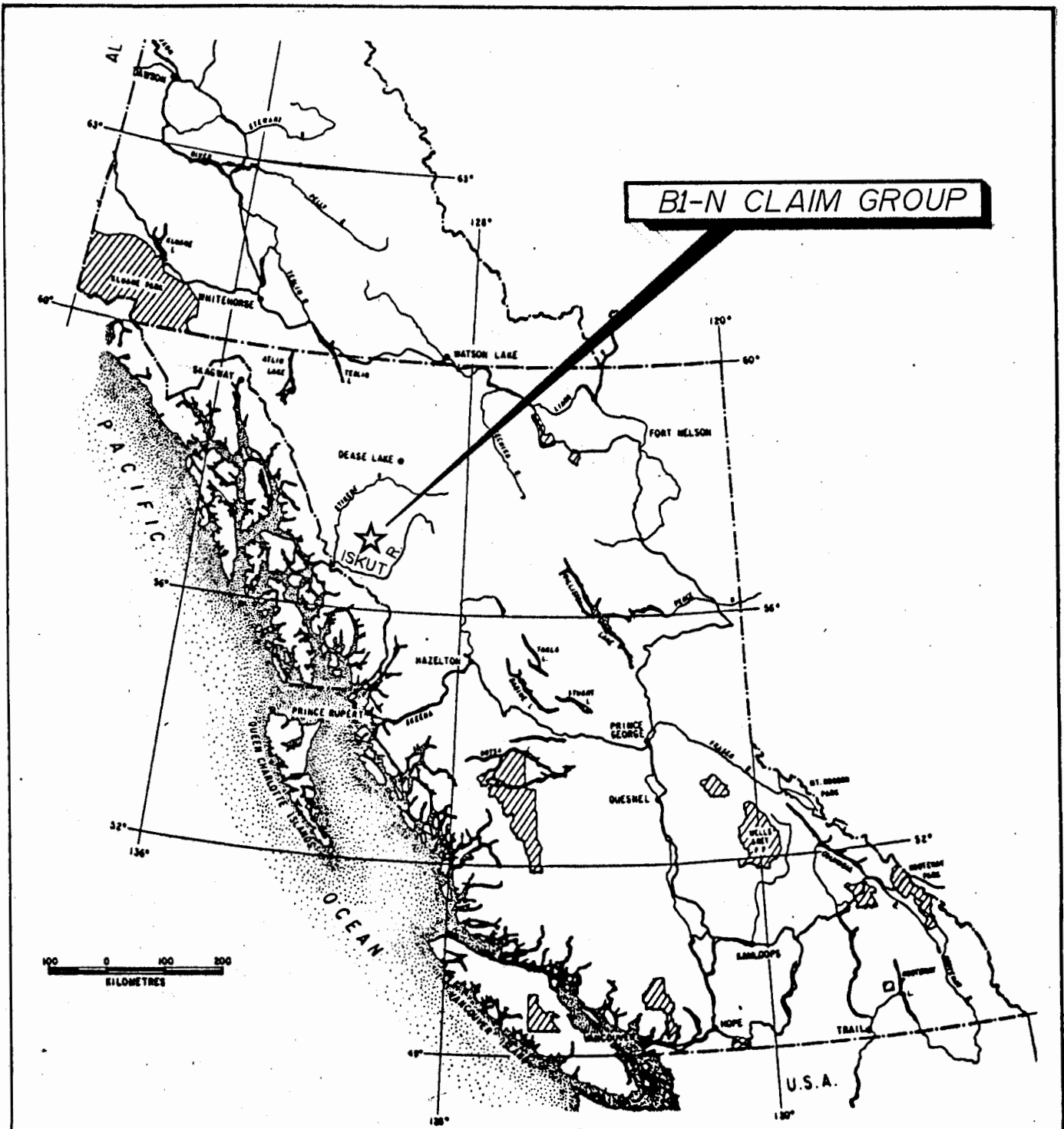
The 1990 exploration program consisted of a 7.25 km geophysical survey, drilling two diamond drill holes and a lithochemical sampling survey.

Results of the 1990 exploration program are discussed in the text of this report and the data plotted on the accompanying maps.

LOCATION, ACCESS AND TOPOGRAPHY

The claims are located approximately 12 kilometres northeast of Newmont Lake within the Liard Mining Division of northwestern British Columbia. Access to the property is via fixed wing aircraft from Smithers or Terrace to Bronson, which is located 110 kilometres northwest of Stewart, or the Forrest Kerr airstrip located at the headwaters of the Forrest Kerr Creek. Access from Bronson or Forrest Kerr is via helicopter and via foot traverse within the claims.

Most of the property is accessible by foot or helicopter. Elevations range from 600 metres to 1,460 metres A.S.L. Above 1,200 metres the claims are devoid of vegetation except grasses and shrubs, and exhibit abundant outcrop. Below 1,200 metres, the usual coast mountain evergreens, alder and devils club predominate. Precipitation exceeds 4,000 millimetres annually; temperatures range from -40° to +25°C



BI-N CLAIM GROUP

0 100 200
KILOMETRES



<i>KESTREL RESOURCES LTD.</i>			
<i>LOCATION MAP</i>			
<i>LIARD MINING DIVISION, B.C.</i>			
<i>S. TENNANT</i>			
SCALE: <i>NOTED</i>	DATE: <i>APRIL 91</i>	MAP: <i>1</i>	N.T.S. <i>104B/15</i>

PROPERTY AND LIST OF CLAIMS

The B1-N prospect consists of the following modified grid claims controlled by Kestrel Resources Ltd.

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Record Date</u>
B1-N	5165	20	Aug. 29, 1988
B1-N	5166	10	Aug. 29, 1988
Rest 3	3983	16	Mar. 10, 1987
Rest 4	3984	16	Mar. 10, 1987

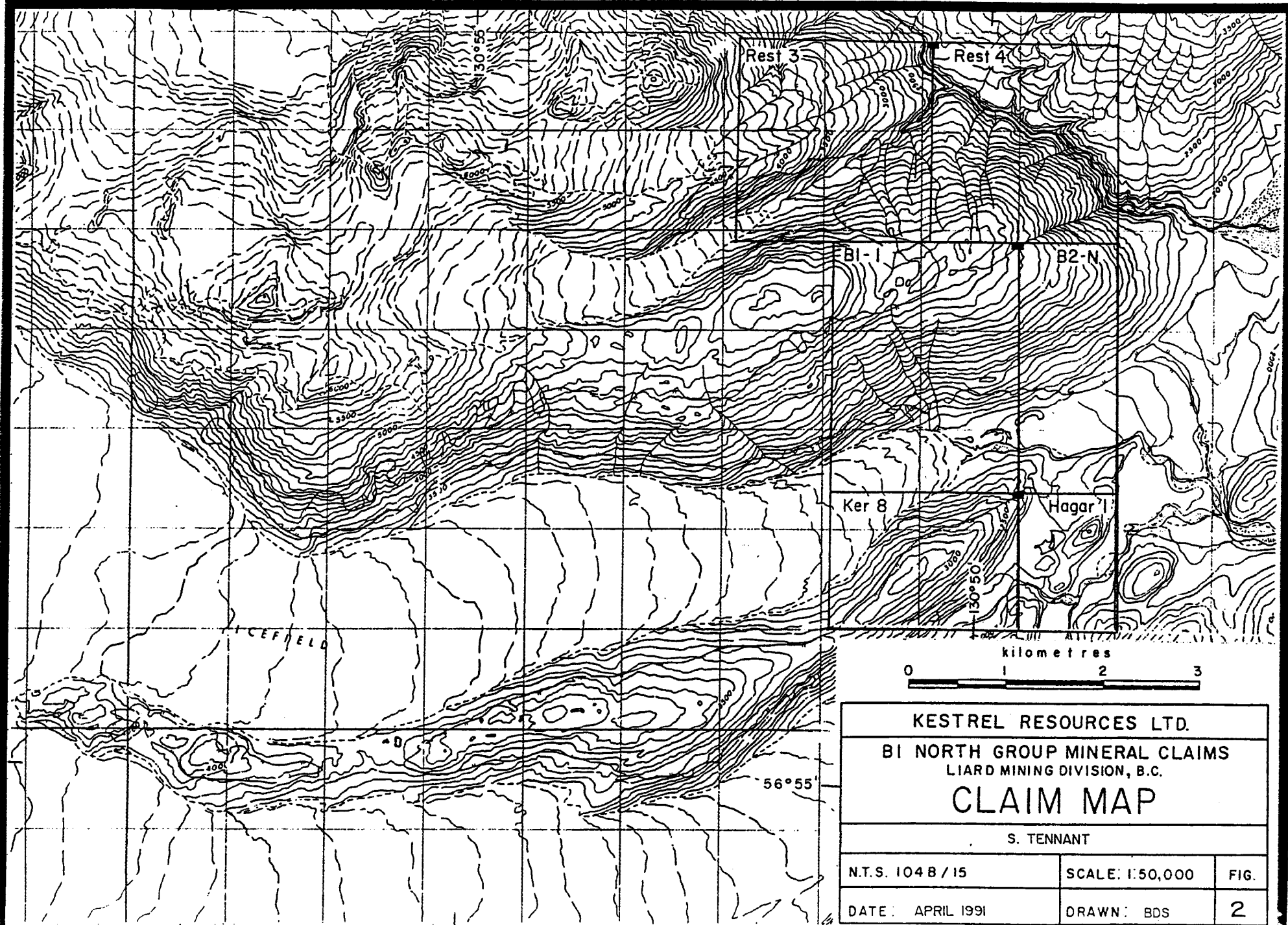
AREA HISTORY

The first recorded work from the Iskut River Region was in 1907 when a staking party from Wrangell, Alaska recorded nine mineral claims north of Johnny Mountain. The Iskut Mining Company worked the claims and in 1917 shipped a ton of high grade ore which reportedly assayed \$1.20 gold, 44.2 ounces silver and 12.45% copper (B.C.M.M.A.R., 1917).

In 1954 Hudson Bay Mining and Smelting Limited discovered high grade gold-silver-lead-zinc mineralization, known as the "Pickaxe" showing, on the slopes of Johnny Mountain.

Throughout the 1960's several major mining companies undertook reconnaissance prospecting and exploration programs in search for porphyry copper-molybdenum deposits resulting in the location of several claims on Johnny Mountain and on Sulphurets Creek.

Skyline Exploration Limited staked the Inel property in 1969 following the discovery of massive sulphide in float on the Bronson Creek glacier. In 1980 the Company staked the Reg property. During the 1980's, Skyline has developed both these properties discovering high grade veins and polymetallic massive sulphide mineralization on the Inel and Reg properties.



KESTREL RESOURCES LTD.		
BI NORTH GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.		
CLAIM MAP		
S. TENNANT		
N.T.S. 1048/15	SCALE: 1:50,000	FIG.
DATE: APRIL 1991	DRAWN: BDS	2

The joint venture partners of Cominco Ltd. and Prime Resources Corporation have developed their Snip property which is located immediately north of the Reg property on the northern slopes of Johnny Mountain. The combined geological reserve for the Snip property is 1,000,000 tons grading 0.80 opt gold.

Other advanced prospects currently undergoing intense exploration efforts in the area include Gulf International Minerals Ltd.'s, Inel and McLymont properties, Placer Dome Ltd.'s, Kerr porphyry copper-gold deposit and Calpine's Eskay Creek gold deposit, as well as the re-development of the Silback Premier/Big Missouri mines by Westmin.

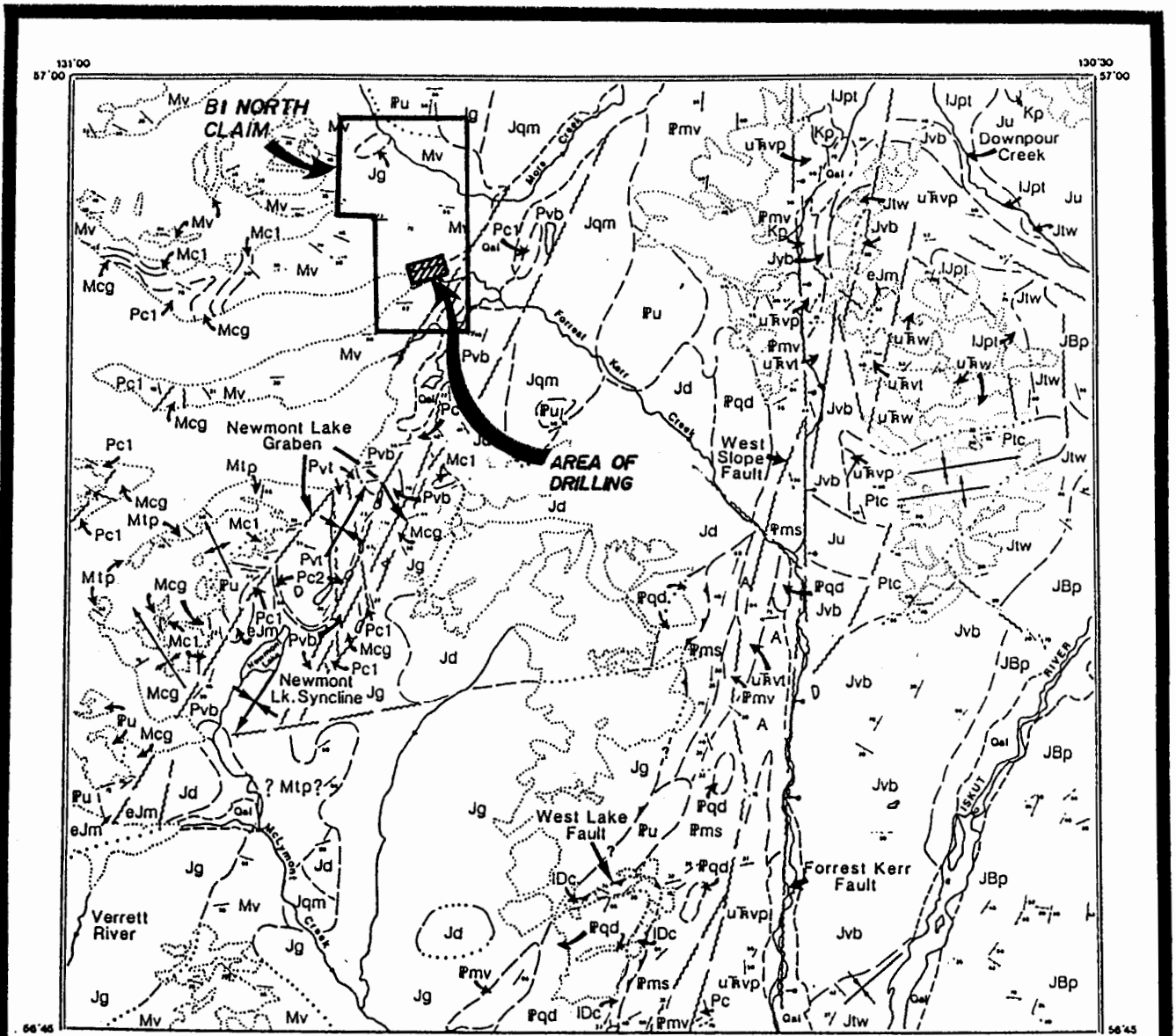
The discovery of the Eskay Creek gold prospect in November of 1988 has done much to stimulate exploration activity in the Iskut region. Drill hole intersections varying from 5 to 10 metres (16 to 33 feet), and grading to 100 grams gold per tonne (2.92 opt), with an average 1,000 grams or more of silver per tonne (29.2 opt), are not uncommon. The Eskay Creek deposit is probably the most significant precious metal deposit discovered in British Columbia.

Recently completed road access studies has resulted in a proposed shared cost road which would commence at the Stewart-Cassiar highway near Bob Quinn Lake and extend into the Iskut Valley.

REGIONAL GEOLOGY

Generally the area consists of a northerly trending succession of Upper Triassic and Jurassic volcanic and sedimentary rocks underlain in part by Paleozoic volcanic and sedimentary units. All of these units have been intruded by Mesozoic and Tertiary intrusive rocks and cut by extensive fault zones. These country rocks form the Stewart Complex bounded on the west by the main Coast Plutonic Complex, and on the east by the Bowser Basin sedimentary assemblage.

Since 1948, Government workers have attempted to clarify relationships and assign ages to various lithological units of the area. Work completed by Kerr, 1948, G.S.C. Memoir 246; G.S.C. maps 9-1957, 1481-1979-Iskut River, and Grove, E.W., 1985, Bulletin No. 58 B.C. Department of Mines, form the basis of earlier government



Scale (kilometres)
 1 : 200,000

Figure I-13-2. Geology map of the Forrest Kerr Creek map sheet 104B/15.
 Geology by J. M. Logan

KESTREL RESOURCES LTD.	
LIARD MINING DIVISION, B.C.	
REGIONAL GEOLOGY B 1 - NORTH	
DATE : APRIL 1991	NTS : 104B/15
DRAWN : BDS	FIGURE : 3

* Geology by J.M. Logan.

LEGEND

QUATERNARY

Qal TILL, ALLUVIUM

STRATIFIED ROCKS

MIDDLE TO UPPER JURASSIC BOWSER LAKE GROUP

JBp SILTSTONE, SANDSTONE, MINOR CONGLOMERATE

JURASSIC

Ju UNDIVIDED VOLCANICS AND SEDIMENTS

Jlw SILICEOUS WACKE, TUFF, CONGLOMERATE

Jvb PILLOW BASALT, BRECCIA FLOWS, SILICEOUS SEDIMENTS

Ujpt SHALE, SANDSTONE, LESSER LIMESTONE, TUFF

UPPER TRIASSIC STUHINI GROUP

uRvt MAROON AND GREEN EPICLASTICS, ALUOITE AND PLAGIOCLASE-PHYRIC VOLCANIC BRECCIAS

uRvp DARK GREEN PLAGIOCLASE-PHYRIC FLOWS

uRva GREY-GREEN APHANITIC TUFF

uRw TUFFACEOUS WACKE, ARGILLITE, LIMESTONE, CONGLOMERATE WITH LIMESTONE CLASTS, PLAGIOCLASE-PORPHYRITIC ANDESITE

MIDDLE TRIASSIC

mTs CARBONACEOUS CALCAREOUS SILTSTONE

PALEOZOIC STIKINE ASSEMBLAGE

Pu UNDIVIDED METAVOLCANICS AND METASEDIMENTS

WESTERN ASSEMBLAGE

PERMIAN

Pvt FELSIC WELDED TUFF, VOLCANIC SANDSTONE AND SILTSTONE, RHYOLITE FLOWS

Pc2 THIN-LAMINATED, GREY ALGAL LIMESTONE

Pvb INTERMEDIATE TUFF AND EPICLASTICS, MAROON LAMAR, BRECCIA FLOWS

Pc1 MEDIUM-BEDDED BIOCLASTIC LIMESTONE WITH CHERTY INTERBEDS

MISSISSIPPIAN

Mip SILTSTONE, SANDSTONE, TURBIDITES, LESSER LAPLUI TUFF

Mcp POLYMYCTIC VOLCANIC CONGLOMERATE

Mct INTERBEDDED SILICEOUS SILTSTONE AND LIMESTONE, THICK-BEDDED CRINOIDAL CALCARENITE

Mv PILLOW BASALT, HYALOCLASTITE, ASH-FLOW FELSIC TUFF

EASTERN ASSEMBLAGE

PERMIAN

Ptc INTERMEDIATE TO MAFIC META-TUFF, THIN-BEDDED LIMESTONE AND METASEDIMENTS

Pc MEDIUM-BEDDED BIOCLASTIC LIMESTONE

PERMIAN AND OLDER

Pms SILICEOUS TURBIDITES, PHYLITES, LESSER CHERTY TUFFS

Pmv MAFIC TO FELSIC METAVOLCANICS, METASEDIMENTS, LIMESTONE LENSES

LOWER DEVONIAN

IDc LIMESTONE, SILICEOUS TUFF

INTRUSIVE ROCKS

CRETACEOUS AND YOUNGER (?)

Kp PLAGIOCLASE QUARTZ PORPHYRY

JURASSIC

Jg PINK HORNBLende BOTITE GRANITE

Jqm QUARTZ MONZONITE

Jd HORNBLende DIORITE, HORNBLende QUARTZ DIORITE

EARLY JURASSIC

eJm HORNBLende-PLAGIOCLASE-PORPHYRITIC MONZONITE, SYENITE

PALEOZOIC

Pqd DEFORMED HORNBLende QUARTZ DIORITE

UNKNOWN

A ALTERED DIORITE

mapping. Recently work completed by the G.S.C. - Open File No. 2094 (1989) and the B.C. Department of Mines Open File 1990-2 has greatly enhanced the geological data base.

The oldest known rocks of the area are limestone, dolomite and low grade metamorphosed sediments (quartzite, slate, phyllite), of Lower Cambrian age that have been correlated with the Cache Creek Group prevalent in the southern half of the province. The limestone unit contains fossil crinoids and is unconformably overlain by Upper Triassic Hazelton volcanics and sediments.

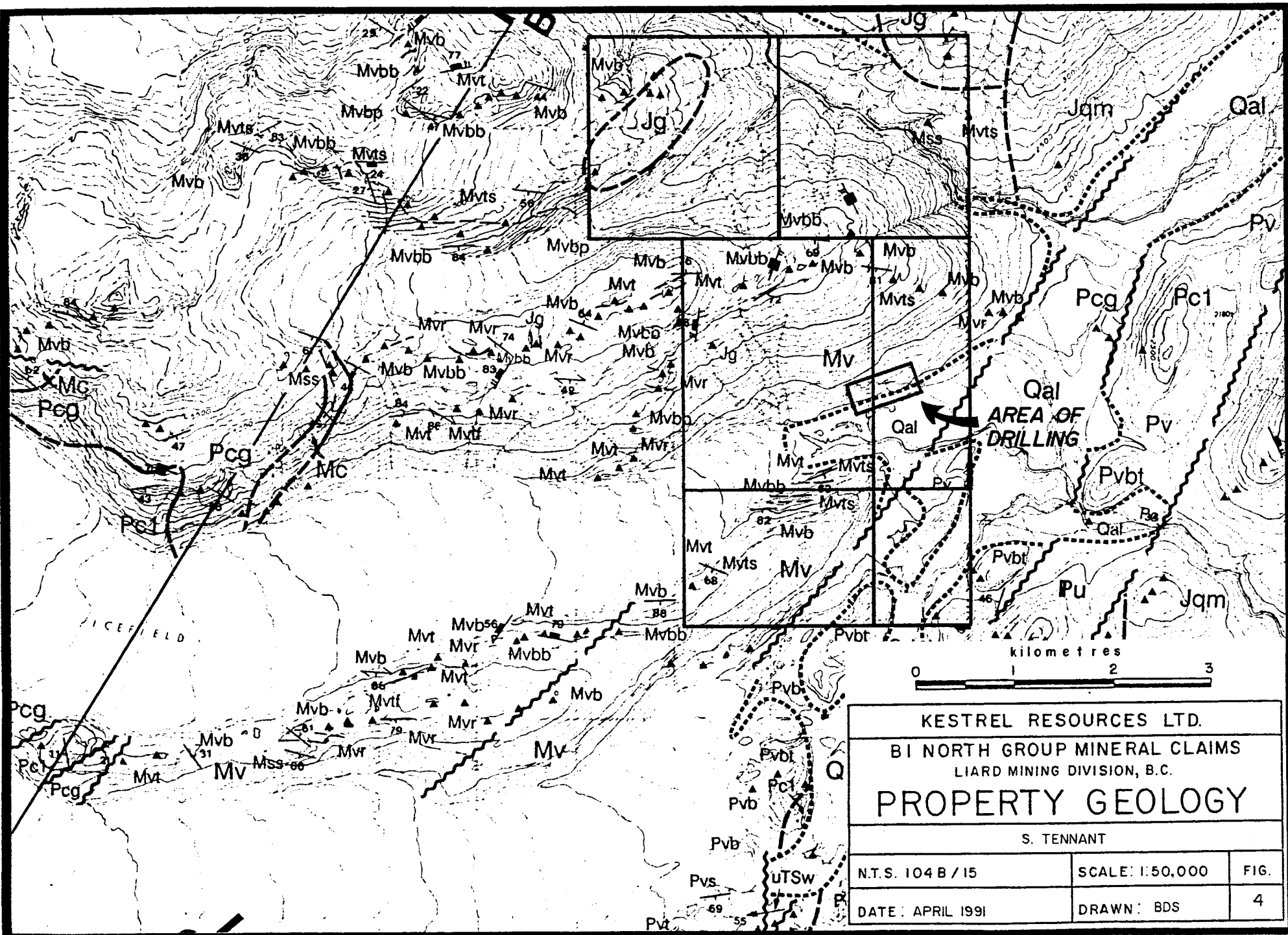
Overlying the Triassic Hazelton volcanic-sedimentary assemblage is a similar group of volcanic-sedimentary rocks of Middle Jurassic age tentatively named the Betty Creek Formation.

Cretaceous to Tertiary Coast Plutonic intrusions of granite, granodiorite and diorite occupy large portions of the map area. In addition, smaller bodies of monzonite or syenite, as well as sub-volcanic acidic porphyries are sparsely distributed.

Tufa, hot spring deposits and pyroclastic material of Pleistocene and Recent age occur at several localities within the area, notably at Hoodoo Mountain.

The foliated rocks, present in the area, are not of great lateral extent and owe their origin to low grade metamorphism, rather than high temperature regional metamorphism.

Structurally, the map area is bisected by a prominent thrust fault along the Iskut River from Forrest Kerr Creek to the Stikine River Junction. The thrust separates unconformably, Mississippian-Pennsylvanian rocks from middle Jurassic strata and is thought to override rock formations to the south. Regionally, a dominant northeast trending and a subdominant northwest trending faulting system complicate the local geology, especially where folding of the strata, which is common, has occurred.



KESTREL RESOURCES LTD.		
BI NORTH GROUP MINERAL CLAIMS		
LIARD MINING DIVISION, B.C.		
PROPERTY GEOLOGY		
S. TENNANT		
N.T.S. 104 B / 15	SCALE: 1:50,000	FIG.
DATE: APRIL 1991	DRAWN: BDS	4

LEGEND

QUATERNARY

Rv	RECENT VOLCANICS
Qal	TILL, ALLUVIUM

LAYERED ROCKS

MIDDLE TO UPPER JURASSIC BOWSER LAKE GROUP

JBp	PLANAR BEDDED SHALE AND LOCALLY CROSSBEDDED SANDSTONE TURBIDITE COUPLETS
JBcg	CHERT PEBBLE TO GRANULE CONGLOMERATE

JURASSIC

Ju	UNDIVIDED SEDIMENTS AND VOLCANICS
Jw	BRECCIATED AND CRACKLE FRACTURED DARK GREEN AND GREY SILICEOUS SILTSTONES AND PYRITIC CHERT, CARBONACEOUS TUFFACEOUS WACKES WITH INTERBEDDED CONGLOMERATE CONTAINING CLASTS OF CHERT, BLACK SILTSTONE, AND INTERMEDIATE TO FELSIC VOLCANICS (Jwsg)

MIDDLE(?) JURASSIC

mJvb	DENSE MEDIUM GREY TO GREEN PILLOW BASALT, LOCALLY AMYGDALOIDAL, PLAGIOCLASE PHYRIC, PILLOW BRECCIA FLOWS AND FLOW BRECCIAS, HYALOCLASTITE.
mJva	THINLY BEDDED, ALTERNATING BLACK AND WHITE SILICEOUS TUFFS AND SEDIMENTS

LOWER(?) JURASSIC

Lp	FISSILE, THIN BEDDED, SILTSTONE AND SANDSTONE WITH CARBONACEOUS WOOD FRAGMENTS, GRANULE CONGLOMERATES CONTAINING INTERMEDIATE VOLCANIC, SEDIMENTARY AND LIMESTONE CLASTS.
Ll	BROWNISH GREY LAPILLI AND CRYSTAL TUFF; RHYOLITE CRYSTAL TUFF AND LESSER FLOWS (Ll)

UPPER TRIASSIC STUHNI GROUP

uTS	UNDIVIDED VOLCANICS AND SEDIMENTS
uTSv	MAROON AND GREEN PLAGIOCLASE AND LESSER AUGITE-PHYRIC LAPILLI TO BLOCK TUFFS AND ASSOCIATED EPICLASTICS
uTSv	MAROON AND GREEN PORPHYRITIC VOLCANIC FLOW BRECCIAS, PLAGIOCLASE-PHYRIC (uTSvp); AUGITE-PHYRIC (uTSvq)
uTSi	GREY-GREEN APHANTIC TUFF
uTSw	TUFFACEOUS WACKE, ARGILLITE, LIMESTONE; CARBONACEOUS AND CALCAREOUS SILTSTONE INTERBEDDED WITH FINE GRAINED SANDSTONE AND MINOR CONGLOMERATE; MAROON VOLCANIC CONGLOMERATE WITH LIMESTONE CLASTS (uTSwsg)

PALEOZOIC STIKINE ASSEMBLAGE

Bu UNDIVIDED METAVOLCANICS AND METASEDIMENTS

WESTERN ASSEMBLAGE

PERMIAN

Pv UNDIVIDED PERMIAN VOLCANICS AND SEDIMENTS

Pvt LAPILLI AND PLAGIOCLASE CRYSTAL TUFF, FELSIC WELDED ASH TUFF, THINLY BEDDED SILICEOUS LIMESTONE LENSES; RHYOLITE FLOWS (Pvt); VOLCANIC SANDSTONE, SLTSTONE AND MARCON SHALLOW(?) WATER CONGLOMERATES (Pvt)

Pc2 ALGAL LIMESTONE; THIN-LAMINATED, DARK GREY TO BLACK, LOCALLY FETID, WEATHERS BLUFF, PISOLITE-RICH BEDS AND CUSPATE STACKED CONCAVE ALGAL STRUCTURES COMMON

Pvb HORNBLende-PLAGIOCLASE PORPHYRITIC ANDESITE BRECCIA FLOWS; LOCALLY AMYGDALOIAL, CONTAINS 30 TO 40 PERCENT EMBEDDED WHITE PLAGIOCLASE AND 15 PERCENT CHLORITIC ACICULAR HORNBLende CRYSTALS; MARCON LAVA AND LAPILLI TUFF (Pvb)

Pc1 BIOCLASTIC LIMESTONE WITH CHERTY INTERBEDS; MEDIUM-BEDDED TO MASSIVE GREY BIOCLASTIC CALCARENITE AND LESSER BUFF SILTY DOLOMITIC UNITS; THIN BEDDED SECTIONS CONTAIN BLACK TO YELLOWISH BUFF AMORPHOUS SILICA BEDS UP TO 20 CENTIMETRES THICK; SOLITARY CORALS, FORAMINIFERA, BRACHIOZOA, CRINOID AND VARIOUS BRACHIOPODS ARE LOCALLY ABUNDANT

Pcg THICK BEDDED, BOULDER TO PEBBLE CONGLOMERATE CLASTS ARE QUITE PYRITIC, PLAGIOCLASE PHYRIC, ANDESITE, BASALT, AND LIMESTONE CLASTS.

MISSISSIPPIAN - PENNSYLVANIAN

Msa SLTSTONE-SANDSTONE TURBIDITES AND LESSER CHERTS

Mc THICK-BEDDED CRINOIDAL CALCARENITE WITH INTERBEDDED SILICEOUS SLTSTONE

Mv UNDIVIDED VOLCANICS

Mvt MAFIC TO INTERMEDIATE SCORIAEOUS LAPILLI TUFF; SILICEOUS DUST TUFFS AND EPICLASTICS (Mvt); INTERMEDIATE TO FELSIC ASH FLOW AND WELDED TUFFS (Mvt)

Mvr RHYOLITE, RHYODACITE, PINK AND ORANGE FLOW BANDED BRECCIAS VARYING TO MASSIVE SUBVOLCANIC BODIES, OLIGOMEROPORPHYRITIC FELDSPAR AND QUARTZ EYES COMMON

Mvb MASSIVE-AMYGDALOIAL BASALT FLOWS; HYALOCLASTITE DEBRIS FLOWS (Mvb); FELLOW BASALT (Mvb)

EASTERN ASSEMBLAGE

PERMIAN

Ptc DEFORMED CHLORITIC TUFFS AND METAVOLCANICS, INTERBEDDED TUFFACEOUS AND SILICEOUS SLTSTONES AND NUMEROUS THIN BEDDED RECRYSTALLIZED LIMESTONES.

Pc LIMESTONE; BIOCLASTIC, MEDIUM-BEDDED, RECRYSTALLIZED, WHITE TO BLUFF, SPARSELY CRINOIDAL CALCARENITE WHICH LOCALLY IS COMPLETELY RECRYSTALLIZED TO COARSE CALCITE

PERMIAN AND OLDER

Pms METASEDIMENTS AND MINOR LIMESTONE; SLTSTONES ARE GREY TO LIGHT GREEN PHYLLITIC AND INTERLAYERED WITH ORPHIC ARGILLITE AND SILICEOUS PHYLLITE AND THIN LENSES OF DARK BROWN LIMESTONE; GREEN AND WHITE SILICEOUS TURBIDITE COUPLETS AND CHERTY TUFFS (Pms) OCCUR HIGH IN THE STRATIGRAPHY.

Pc LIMESTONE; RECRYSTALLIZED, THIN BEDDED TO MORE COMMONLY MASSIVE, WHITE TO BLUFF COLOURED.

Pmv MAFIC TO FELSIC METAVOLCANICS, RARE LIMESTONE LENSES; VARIABLY FOLIATED TO SCHISTOSE, PURPLE TO DARK GREEN PLAGIOCLASE PORPHYRITIC FLOWS AND TUFFS.

LOWER DEVONIAN

Idc DEFORMED CORALLINE LIMESTONES; LESSER INTERBEDDED PEBBLE CONGLOMERATE, SILICEOUS AND CARBONACEOUS SHALES AND BOTH MAFIC AND FELSIC TUFFS.

INTRUSIVE ROCKS

CRETACEOUS AND YOUNGER (?)

Kp **PLAGIOCLASE QUARTZ PORPHYRY; OCCURS AS SMALL PLUGS AND DYKES INTRUDING NORTH TRENDING FAULTS, PYRITIC AND OXIDIZED TO YELLOW AND RED GOSSANS.**

JURASSIC AND YOUNGER(?)

Jg **BIOTITE GRANITE; PINK, COARSE TO MEDIUM GRAINED, EQUIGRANULAR TO 'QUARTZ EYE' PORPHYRITIC, LESS COMMONLY HORNBLende IS THE MAFIC CONSTITUENT, QUARTZ EXCEEDS 30 PERCENT, QUARTZ RICH PHASES (≥0 PER CENT) ARE SPATIALLY RELATED TO FAULT STRUCTURES**

Jqm **HORNBLende QUARTZ MONZONITE TO MONZONITE; COARSE TO MEDIUM GRAINED, HORNBLende AVERAGES 20 PERCENT AS 1 MILLIMETRE CRYSTAL LATHS AND PORPHYRIC CLOTS, BIOTITE WHERE PRESENT IS FINE GRAINED AND LESS THAN 1 PERCENT.**

Jd **HORNBLende DIORITE, HORNBLende QUARTZ DIORITE; HORNBLende IS CHLORITIC AND COMPRISES MORE THAN 40 PERCENT OF THE ROCK.**

MIDDLE(?) JURASSIC

Jdl **DIORITE TO GABBRO; COARSE GRAINED, OCCURS AS STOCKS AND SILLS, PLAGIOCLASE CRYSTALS ARE EUMEDRAL TO SUBMEDRAL ACICULAR CLOTS WHICH IMPART A DISTINCTIVE FELTY INTERLOCKING TEXTURE, THESE SUBVOLCANIC INTRUSIONS MAY REPRESENT FEEDERS TO THE PELLOW BASALTS(LM)**

EARLY JURASSIC

eJm **HORNBLende-PLAGIOCLASE-PORPHYRITIC MONZONITE; OCCURS AS DYKES, SILLS AND PLUGS CHARACTERIZED BY A HEMATITIC GROUNDMASS ALTERED WITH PINK SUBMEDRAL TO EUMEDRAL PLAGIOCLASE (UP TO 30 PERCENT) AND HORNBLende CRYSTALS, TRACHYTIC TEXTURES ARE COMMON, STRONGLY MAGNETIC.**

eJg **HORNBLende BIOTITE POTASSIUM FELDSPAR MEGACRYSTIC GRANITE.**



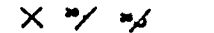

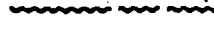







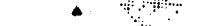
AGE UNKNOWN

qd **HORNBLende QUARTZ DIORITE; MEDIUM GRAINED, LOCALLY FOLIATED AND ALTERED, CONTAINS IRREGULAR MAFIC INCLUSIONS (UP TO 100 CENTIMETRES) OF AMPHIBOLITES.**

d **ALTERED DIORITE**

DYKES **aj AMPHYRIC ANDESITE AND BASALT; pp MAFIC PLAGIOCLASE PYRITIC; j LAMPROPHYRE; d PHYLLOLITE/APLITE**

MAP SYMBOLS

Geological contact (defined, approximate, assumed)	
Unconformable contact (defined, assumed)	
Bedding (horizontal, inclined, overturned).....	
Foliation	
Fault (observed, inferred).....	
Thrust or high angle reverse fault (defined, assumed).....	
Anticline (direction of plunge indicated).....	
Syncline (direction of plunge indicated).....	
Minor fold axis	
Joint	
Dyke.....	
Vein.....	
Outcrop visited.....	

PROPERTY GEOLOGY

Open File Report No. 1990-2 - Geology and Mineral Occurrences of the Forrest Kerr-Iskut River Area, N.W. B.C. prepared by the B.C. Department of Mines and released in the winter of 1990, describes the geology of the B1-N property at a scale of 1:50,000. The B1-N claim group is generally underlain by Mississippian and older(?) mafic to felsic volcanics which comprise a southwest-dipping homoclinal sequence of pillow lavas, flow breccia, ash-flow tuffs and stratified tuffs and epiclastics. On the west side of the claim block several biotite granite intrusives intrude the volcanics.

Mineralization occurs within two distinct moderately weakly developed fracture systems trending between Az 000°-040°/90° and Az 090°-130°/90°. The northwesterly trending system appears to carry stronger mineralization with pyrite, chalcopyrite and sporadic gold in quartz veins.

EXPLORATION PROGRAM

The 1990 field program on the B1-N claims commenced mid June 1990. Initially, work consisted of laying out a survey grid totalling about 7.25 line km on the B1-N/B2-N claims. The grid was located in an area that had been well sampled in 1989 and had returned values up to 4800 ppb Au. The geophysical survey consisted of total magnetic field and two VLF-EM surveys, using Hawaii and Seattle. Figure 6 is an interpretational plan of the area surveyed. The geophysical work was completed by F.J. Syberg under contract to Kestrel Resources Ltd. The reasonably strong geophysical conductor located roughly between 0+50N, 1+00E and 1+20N, 6+50E with an en echelon fault displacement was investigated by two short diamond drill holes. The proposed holes would test the two faulted portions of the cause of the anomaly as well as the fault itself. Two BQ holes were drilled from two drill pads located as indicated on Figure 6. Total length of drilling comprised 339.6 m. Drill hole information is as follows:

<u>Drill Hole</u>	<u>Northing</u>	<u>Easting</u>	<u>Elevations</u>	<u>Dip</u>	<u>Bearing</u>	<u>Length</u>
B1-N 90-1	20+00N	4+0E	698 m.	-60°	200°	18.35m602 ft.
B1-N 90-2	1+50N	3+60E	686 m	-55°	200°	<u>156.1m512 ft.</u>
						339.6m <u>1114ft</u>

The core was flown to Forrest Kerr Camp where it was logged, split and stored in a core rack. Drill logs with assay results are appended to this report.

The lithogeochemical sampling program was carried out mainly on the ridge top between the B1-N and Rest 3/4 claims. This area had not been previously sampled. A total of 128 rock chip samples were collected from an andesite unit that carried quartz veining, carbonate and chlorite alteration with sections of quartz breccia and epidote veins carrying chalcopyrite and pyrite. The lithogeochemical samples were properly bagged, described and labelled in the field. Later, they were shipped by air and ground freight to Vangeochem Lab Ltd. in Vancouver, B.C. All of the samples were analyzed for gold, using fire assay and atomic absorption procedures, and a 25 element suite by inductively coupled argon plasma (ICAP) methods.

Traverses and all sample locations are shown on Figure 5 of this report. The lithogeochemical sample descriptions and analytical results accompany this report as Appendices II and III respectively.

DISCUSSION OF RESULTS

Interpretational results of the geophysical survey indicated that although the anomaly was not considered a first order target, the anomaly could be due to metallics likely to respond to primary VLF fields. Assay results from the drill core show that no significant precious metal values were obtained in any of the intervals assayed. Lithogeochemical sampling previously carried out in the area of the grid had established that gold values, up to 4800 ppb Au, had been obtained from shears and fractures. The drill holes indicate that there is no concentration of economic sulphide mineralization related to structural features encountered in the drilling.

Results of the lithogeochemical sampling program do not indicate any significant economic or precious metal targets. Assay values for gold are generally low, in the order of 20 ppb Au, however there are a number of scattered higher values (up to 2000 ppb Au). The higher gold values are generally restricted to widely spaced narrow shears and fractures.

RECOMMENDATIONS

Results of work to date on the B1-N group of mineral claims has not located any concentrations of economic mineralization. The sporadic values obtained appear to be related to shearing and fracturing. Any additional work should be concentrated close to the intrusive plugs intruding the volcanics as the fracturing is probably controlled by the intrusions of the biotite granites.

BIBLIOGRAPHY

Logan, J.M.; Koyanagi, Victor M.; Drobe, John R. Geology, Geochemistry and Mineral Occurrences of the Forrest Kerr-Iskut River Area, Northwestern British Columbia, Open File 1990-2, Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch.

GSC Open File No. 2094 (1989).

Kerr, 1948: GSC Memoir 246; GSC Maps 9 - 1957; GSC Maps 1481-1979 "Iskut River."

STATEMENT OF QUALIFICATIONS

I, STUART J. TENNANT, of Kestrel Resources Ltd., do hereby certify that:

1. I am a Geologist employed by Kestrel Resources Ltd. during the period October 1989 to present.
2. I am a graduate of the University of British Columbia with a B.Sc. in Geology in 1959.
3. From 1959 until present, I have been engaged in exploration primarily in Western Canada.
4. I personally supervised and participated in the field work and have compiled, reviewed and assessed the data resulting from the work.



Stuart J. Tennant

DATED at Vancouver, British Columbia, this 7th day of June, 1991.

PROGRAM COSTS

S. Tennant Geologist	4 days @ \$325/day	\$ 1,300
J. Buchholz Geologist	3 days @ \$325/day	975
L. Dandy Geologist	3 days @ \$225/day	675
B. Chase Prospector	4 days @ \$275/day	1,100
W. Grier Prospector	1 day @ \$200/day	200
K. Forster Prospector	1 days @ \$200/day	200
D. Wituik Prospector	1 day @ \$175/day	175
J. Lee Prospector	1 day @ \$175/day	<u>175</u>
		\$ <u>4,800</u>

Field Cost

Diamond Drilling 1114 feet		\$ 23,178
Helicopter	9.5 hours @ \$800/hour	7,600
Room and Board	38 man days @ \$125/day	4,750
Assaying	280 @ \$17/sample	4,760
Freight		362
Report Costs		<u>1,200</u>
TOTAL COST OF 1990 PROGRAM		\$ <u>46,650</u>

J. T. THOMAS

DIAMOND DRILLING LTD.

Box 394
 Smithers, B.C.
 V0J 2N0
 Phone: (604) 847-4361
 Kestrel Drill JT 600-16

August 1 - 13, 1990

Branch Office
 Box 944
 Timmins, Ont. P4N 7H5
 Phone: (705) 267-6633
 Page One

DIAMOND DRILLING:

<u>Hole No.</u>	<u>Date</u>	<u>Overburden</u> <u>From To</u>	<u>Coring</u> <u>From To</u>	<u>Total</u> <u>Footage</u>	<u>Rate</u>	<u>Amount</u>
90- 7	August 1		102 - 194	92	\$ 18.90	\$ 1,738.80
90- 8		0 - 5		5	18.90	94.50
			5 - 284	279	18.90	5,273.10
90- 9		0 - 5		5	18.90	94.50
			5 - 332	327	18.90	6,180.30
90-10	August 2	0 - 5		5	18.90	94.50
			5 - 394	389	18.90	7,352.10
90-11	August 3	0 - 5		5	18.90	94.50
			5 - 600	595	18.90	11,245.50
			600 - 652	52	19.90	1,034.80
90-12	August 5	0 - 5		5	18.90	94.50
			5 - 450	445	18.90	8,410.50
90-13	August 6	0 - 12		12	18.90	226.80
			12 - 600	588	18.90	11,113.20
			600 - 712	112	19.90	2,228.80
90-14	August 9	0 - 5		5	18.90	94.50
<u>BI-N DDH 1</u>			5 - 600	595	18.90	11,245.50
			600 - 602	2	19.90	39.80
90-15	August 11	0 - 5		5	18.90	94.50
<u>BI-N DDH 2</u>			5 - 512	507	18.90	9,582.30
TOTAL:				4030'		\$ 76,333.00

55,276.40

J. T. THOMAS
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Page Three

MATERIALS USED, LOST OR DAMAGED:

<u>Date</u>	<u>Quantity</u>	<u>Item</u>	<u>Cost</u>	<u>Amount</u>
August 1	1	10' BQ Rod (anchor)	\$ 120.00	\$ 120.00
August 2	1	BQ Bit (ruined in fault)	420.00	420.00
August 3	1	BQ Bit (ruined in fault & cave)	420.00	420.00
	1	BQ Bit (ruined in fault)	420.00	420.00
	1	5' BW Casing (left in hole)	86.00	86.00
	1	BW Casing Shoe (left in hole)	160.00	160.00
	1	Cellophane	46.00	46.00
August 5	1	5' BW Casing (left in hole)	86.00	86.00
	1	BW Casing Shoe (left in hole)	160.00	160.00
August 6	1	5' BW Casing (left in hole)	86.00	86.00
	1	BW Casing Shoe (left in hole)	160.00	160.00
	1	BQ Bit (ruined in broken ground)	420.00	420.00
August 7	1	Cellophane	46.00	46.00
	1	Cellophane	46.00	46.00
August 8	2	5' BW Casing (left in hole)	86.00	172.00
	1	2' BW Casing (left in hole)	49.00	49.00
	1	BW Casing Shoe (left in hole)	160.00	160.00
August 10	1	BQ Bit	420.00	420.00
August 11	1	5' BW Casing (left in hole)	86.00	86.00
	1	BW Casing Shoe (left in hole)	160.00	160.00
	1	Linseed Soap	48.00	48.00

BI-N
DRILLING

TOTAL: \$ 3,771.00

3,057.00

J. T. THOMAS

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 Timmins, Ont.
 Page Two

August 1 - 13, 1990

MAN & MACHINE HOURS:

<u>Date</u>	<u>Keehn</u>	<u>Sova</u>	<u>Groot</u>	<u>Visser</u>	<u>Drill</u>	<u>Additional Acid Tests</u>
August 1	1	1			N/C	
August 2	2½	2½	1	1	N/C	
August 3	5½	5½	1	1	3	
August 4	N/C	N/C	1	1	N/C	
August 5	2	2	N/C	N/C		1
August 6	2½	2½	1	1		
August 7	1½	1½	3½	3½	1½	
August 8			8	8	1	
August 9	6	6	5	5		
			N/C	N/C		
August 10	5	4			4	
August 11	4	4				1
August 12	1	1				
August 13	3	3	3	3		
	<u>34</u>	<u>33</u>	<u>23½</u>	<u>23½</u>	<u>9½</u>	<u>2</u>

*BI-N
 DRILLING*

Total Man & Machine Hours: 123½ hours @ \$ 24.00/hour = \$ 2,964.00
 Total Additional Acid Tests: 2 tests @ \$ 40.00/test = \$ 80.00

TOTAL: \$ 3,044.00

19 18 8 8 4 40

1636.00

Appendix I
DIAMOND DRILL LOGS

NTS: 1048 15

KESTREL RESOURCES LTD.

HOLE No. B1N-90-1
SHEET No. 1 of 7

LOCATION: B1 NORTH BEARING: 200° LATITUDE: 24+00 N PROPERTY: B1N CRIMSON STAR
DATE COLLARED: AUG 9/1990 LENGTH: 602 FT - 183.5 M DEPARTURE: 4+40 E CORE SIZE: BG LOGGED BY: JOHN BUCHHOLZ/LINDA DANDY
DATE COMPLETED: AUG 11, 1990 DIP: -60° 91.5M=59° 183M=-57° ELEVATION: 698m. (2290ft) SCALE OF LOG: 1cm=2m 1:200 DATE: AUG 17/90, AUG 22/90

ROCK TYPES AND TEXTURES	ALTERATION	GRAPHIC LOG Rock Type Alteration Footage Structure JOINT OR CONTACT ANGLES % PYRITE	MINERALIZATION	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	SAMPLE No.	ASSAY RESULTS				EST. GRADE
								Au				
ANDESITE PYROCLASTIC FLOW dk. grey-green to purple fine grained porphyritic matrix with feldspar subhedral phenocrysts and subrounded clasts. Minor chlorite altered mafic phenocrysts.		[Graphic Log]	tr.	carbonate-calcite &ankerite stringers	12		7.5 CASING					0 m
							3.1 81187	<.005				
		[Graphic Log]	minor primary magnetite + minor specular hematite throughout section	generally N35° Tca some @ 80° Tca. 1/2 - 2cm width	22		4.6 *					5 m
							6.1 81189	<.005				
		[Graphic Log]	↓	5cm gouge @ 45° Tca?	32		7.6 81190	<.005				10 m
							9.2 81191	<.005				
	Extensive weak to moderate chlorite alteration. Hematite replaces mafics and plag is altered to clay & sericite.	[Graphic Log]			42		10.7 81192	<.005				15 m
							12.2 81193	<.005				
	weak propylitic alteration	[Graphic Log]			52		13.7 81194	<.005				20 m
							15.2 81195	<.005				
	weak to moderate propylitic alteration (epidote, chlorite, calcite, hematite)	[Graphic Log]	malachite along of veinlet	10% calcite amygdulose veinlets with hematite & sericite altered fs.	62		16.8 81196	<.005				25 m
							18.3 81197	<.005				
		[Graphic Log]			72		19.8 81198	<.005				30 m
							21.3 81199	<.005				
		[Graphic Log]			82		22.9 81200	<.005				30 m
							24.4 81201	<.005				
		[Graphic Log]			92		25.9 81202	<.005				30 m
							27.1 81203	<.005				
		[Graphic Log]					27.6 81204	<.005				30 m

NOTE: * 4.6-6.1 m IS LIKELY SAMPLE 81189 AND ALL SAMPLES BELOW HERE SHOULD BE SHIFTED UPWARDS.

NTS: _____

LOCATION: _____ BEARING: _____ LATITUDE: _____ PROPERTY: _____
DATE COLLARED: _____ LENGTH: _____ DEPARTURE: _____ CORE SIZE: _____ LOGGED BY: _____
DATE COMPLETED: _____ DIP: _____ ELEVATION: _____ SCALE OF LOG: _____ DATE: _____

ROCK TYPES AND TEXTURES	ALTERATION	GRAPHIC LOG				MINERALIZATION	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	SAMPLE No.	ASSAY RESULTS				EST. GRADE
		Rock Type Alteration	Feetage	Structure	JOINT OR CONTACT ANGLES						% PYRITE	Au ppb			
ANDESITE FLOW - cont'd							102		81204					30m	
						2.5cm calcite-hematite veinlet	112		81205	<.005					
									81206	<.005					
									81207	<.005				35m	
ALTERED ANDESITE -bleached, light brown -sericitic fs + a long stringers	-ankerite with fs altered to sericite -chloritic						122		81208	<.005					
									81209	<.005					
									81210	<.005					
SILICIFIED, CARBONATIZED VOLCANIC - (RHYOLITE OR MORE LIKELY) ALTERED ANDESITE bleached light brown-grey fractured + silicified - BRXX	-carbonate-ankerite -silicified chlorite on fractures with minor clay + sericite -more siliceous					badly broken hematite + cb blebs + stringers gouge 5cm	132		81211	<.005				40m	
							142		81212	<.005					
									81213	10					
									81214	30				45m	
MICRODIORITE - intrusive of andesitic composition -grey-green, fine grained, high-level intrusive -moderately fractured -gradational contacts	-weak chloritic and carbonate alterations					cpy-horn w. calcite in veinlet	152		81215	40					
							162		81216	10					
									81217	30				50m	
-deformed, altered, hb? + fs phenos -numerous carbonate veinlets at 80° tca + 30° tca off settings.							172		81218	20					
									81219	10					
						siderite veinlets			81220	20				55m	
							182		81221	10					
						specular hematite veinlet			81222	20					
(MICRO) MONZONITE - fine grained, light brown/purple/green -deformed dyke?	sericite, carbonate alt + quartz infilling chloritic					45° contact	192		81223	10				60m	
									81224						

NTS: _____

LOCATION: _____ BEARING: _____ LATITUDE: _____ PROPERTY: _____
DATE COLLARED: _____ LENGTH: _____ DEPARTURE: _____ CORE SIZE: _____ LOGGED BY: _____
DATE COMPLETED: _____ DIP: _____ ELEVATION: _____ SCALE OF LOG: _____ DATE: _____

ROCK TYPES AND TEXTURES	ALTERATION	GRAPHIC LOG Rock Type Alteration Footage Structure JOINT OR CONTACT ANGLES	% PYRITE	MINERALIZATION	REMARKS	FOOTAGE BLOCKS	EST. CORE REG.	SAMPLE No.	ASSAY RESULTS				EST. GRADE
									Au				
ANDESITE PORPHYRY - gray-green, fine-med grained subhedral mafics - pyroxene 0-5% groundmass Qtz + plag moderately broken	siderite/ankerite veinlets @ 45° epidote alt'n as blebs chloritic alteration throughout section with many mafics partially to entirely altered to chlorite Rare hematite		tr.	py as rare embos	contact { 15cm clay gouge 15cm epi/chl/hem seriate/cc bands	202	61.0	81224	20				60 m
							62.5	81225	10				
							64.0	81226	nd				
						212	64.0	81227	nd				
					5cm gouge abundant calcite stringers siderite veins	222	65.6	81228	nd				65 m
							67.1	81229	10				
							68.6	81230	10				
						232	70.1	81231	20				
						242	71.7	81232	nd				70 m
							73.2	81233	nd				
							74.7	81234	20				
						252	76.2	81235	10				
			tr.	diss pyrite + along veinlets with calcite	fracture zone 5cm gouge w. siderite	262	77.9	81236	10				75 m
							79.3	81237	nd				
							80.8	81238	nd				
						272	82.3	81239	10				
						282	83.8	81240	20				80 m
							85.4	81241	nd				
							86.9	81242	20				
						292	88.4	81243	nd				
FELDSPAR PORPHYRY OR RHYOLITE light pink/orange, fine grained (possibly a dyke rock?)	-siliceous, potassic?		tr.	minor hematite on fractures diss. silvery pyrite limonite + siderite on fractures	contact - 5cm gouge with clay + limonite contact - broken	282	89.9	81241	nd				85 m
						292	89.9	81243	nd				

NTS: _____

LOCATION: _____ BEARING: _____ LATITUDE: _____ PROPERTY: _____
DATE COLLARED: _____ LENGTH: _____ DEPARTURE: _____ CORE SIZE: _____ LOGGED BY: _____
DATE COMPLETED: _____ DIP: _____ ELEVATION: _____ SCALE OF LOG: _____ DATE: _____

ROCK TYPES AND TEXTURES	ALTERATION	GRAPHIC LOG				MINERALIZATION	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	SAMPLE No.	ASSAY RESULTS				EST. GRADE
		Rock Type Alteration	Footage Structure	JOINT OR CONTACT ANGLES	% PYRITE						Au				
ANDESITE PORPHYRY FLOW - similar to unit below feldspar porphyry (dyke) - sm pyroxene phenocrysts - quartz-carbonate veinlets	throughout unit minor sericite, hematite and limonite epidote-rich zone						epidote veining	302		81244 92.5	nd				98 m
- feldspar phenocrysts altered to sericite	epidote replacing fs. hematite more abundant along fractures							312		81245 93.0	20				95 m
								322		81246 94.5	10				
								332		81247 96.0	nd				100 m
								342		81248 97.6	nd				
								352		81249 99.1	nd				
								362		81250 100.6	nd				
								372		81251 102.1	nd				
								382		81252 103.7	nd				
								392		81253 105.3	nd				105 m
								402		81254 107.0	nd				
								412		81255 108.7	nd				
								422		81256 109.2	nd				
								432	*	81257 109.8	nd				110 m
								442		81258 111.3	nd				"
								452		81259 112.0	nd				
	qtz-cb veining for 30 cm					minor magnetite cpy + py in veins + minor diss py.	3cm qtz-ankerite vein	462		81260 114.2	nd				115 m
	hematite + serp on low angle slips							472		81261 115.9	nd				
								482		81262 117.4	nd				
								492		81263 118.0	70				
								502		81264	10				120 m

* Some sample numbers likely due to correction for sample missed at beginning of hole.

NTS: _____

KESTREL RESOURCES LTD.

HOLE No. _____
SHEET No. 5 of 7

LOCATION: _____ BEARING: _____ LATITUDE: _____ PROPERTY: _____
DATE COLLARED: _____ LENGTH: _____ DEPARTURE: _____ CORE SIZE: _____ LOGGED BY: _____
DATE COMPLETED: _____ DIP: _____ ELEVATION: _____ SCALE OF LOG: _____ DATE: _____

ROCK TYPES AND TEXTURES	ALTERATION	GRAPHIC LOG		% PYRITE	MINERALIZATION	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	SAMPLE No.	ASSAY RESULTS				EST. GRADE	
		Rock Type	Alteration							Footage	Structure	JOINT OR CONTACT ANGLES	Au		
<u>ANDESITE PORPHYRY FLOW</u> - cont'd.						low angle fractures + minor clay gouge			120.4						120m
	slightly chloritic			tr.	py blebs to 0.5cm	clay gouge (drill mud)	402		122.0	81265	10				
						broken qtz-cb vein			123.5	81266	40				
				tr.	py + cpy in low angle veinlets	low angle qtz-cb stringers	412		125.0	81267	10				125m
									126.5	81268	40				
							422		128.1	81269	20				
									129.6	81270	40				
									131.1	81271	20				130m
<u>ALTERED ANDESITE</u> - bleached light green/pink/brown	minor chlorite + hematite on fractures			tr.		gradational contact	432		132.6	81272	10				
						low angle qtz veinlets to 1cm.	442		134.2	81273	20				
<u>ANDESITE TUFF</u> dark grey-green grading into pinkish rock.	potassic haloes around qtz-cb stringers				1% dissem py.				135.7	81274	10				135m
<u>VOLCANIC BRECCIA</u> - bleached + altered andesite - abundant qtz-cb veinlets parallel to core axis - pinkish volcanic is brecciated and infilled with green andesite flow(?) matrix	pink colour due to potassic alteration clay, chlorite + hematite occurs along fractures				21% py + cpy in veins finely diss py.		452		137.2	81275	30				
									138.7	81276	10				
									140.2	81277	50				140m
							462		141.8	81278	20				
									143.3	81279	20				
							472		144.8	81280	nd				
									146.3	81281	20				145m
<u>ANDESITE PORPHYRY</u> - dk green st. silicified	minor potassic alteration of fs. hairline low angle veinlets + 75° tea veinlets later.			tr to 1% pyrite. tr. cpy.		contact - wavy but low angle w. qtz-cb veinlet along	482		147.8	81282	nd				
<u>VOLCANIC BRECCIA</u>	silic + potassic altn			tr pyrite		contact 50° tea qtz-cb flooding with chlorite	492		149.3	81283	50				
									149.8	81284	nd				150m

NTS: 104B15

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HOLE No. B1N 90-2
SHEET No. 1 of 6

LOCATION: _____ BEARING: 200° LATITUDE: 1+50 N PROPERTY: B1 NORTH CRIMSON STAR
 DATE COLLARED: AUG 11, 1990 LENGTH: 156.1m, 512 FT. DEPARTMENT: 3+60E CORE SIZE: BQ LOGGED BY: TONY BAINES / LINDA DANDY
 DATE COMPLETED: AUG 12, 1990 DIP: QUAR-55°, 13.4m = -56° ELEVATION: 686m. (2250ft.) SCALE OF LOG: 1cm = 2m 1:200 DATE: AUGUST 17, 1990 & AUG 23, 1990.

ROCK TYPES AND TEXTURES	ALTERATION	GRAPHIC LOG				MINERALIZATION	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	SAMPLE No.	ASSAY RESULTS				EST. GRADE
		Rock Type Alteration	Footage Structure	JOINT OR CONTACT ANGLES	% PYRITE						Au ppb	Ag ppm			
CASING TO 1.5M															
PYROCLASTIC FLOW ANDESITE -subrounded clasts of grey-green + reddish andesite within a deep dark green chloritic andesite matrix.	matrix is strongly chloritized throughout section									1.5 CASING					0m
										3.1 81306	10	nd			
										6.4 81307	10	nd			5m
-some clasts are slightly magnetic + some contain minor hematite										7.1 81308	nd	nd			
-Clasts contain subrounded calcite amygdules, and minor calcite also occurs in matrix	epidote alteration as blebs.									9.1 81309	nd	nd			
-Few calcite stringers at varying orientations, some containing hematite						2cm hematite-quartz veinlet 1cm calcite/ankerite/hematite veinlet				11.9 81310	20	nd			10m
										13.4 81311	nd	nd			
										14.3 81312	10	nd			
										15.5 81313	10	nd			15m
										17.1 81314	20	nd			
										18.7 81315	10	nd			20m
										20.7 81316	nd	nd			"
										22.1 81317	10	nd			
										24.4 81318	nd	nd			25m
						1cm vuggy calcite veinlet w. minor hematite				25.7 81319	nd	nd			
										27.1 81320	nd	nd			
						30cm broken Qtz/c/ankerite hematite/sericite veinlet				28.0 81321	20	nd			30m

Appendix II
SAMPLE ASSAY RESULTS



MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (804) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

April 30, 1991

TO: Mr. Stuart Tennant
KESTREL RESOURCES LTD.
506 - 675 W. Hastings St.
Vancouver, BC V6B 1N2

FROM: VANGEOCHEM LAB LIMITED
1650 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure for soil samples preparations.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags.
- (b) Dried soil and silt samples were sifted by hands using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

2. Analysts

The sample preparations were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and his laboratory staff.

A handwritten signature in black ink, appearing to read 'Conway Chun', is written over a horizontal line.

Conway Chun
VANGEOCHEM LAB LIMITED

VANGEOCHEM SAMPLE ANALYSIS DESCRIPTION

The lithogeochemical samples were properly bagged, described and labelled in the field. Later, they were shipped by air and ground freight to Vangeochem Lab Ltd. in Vancouver, B.C. for analysis under the supervision of professional assayers. All of the samples were analyzed for gold, using fire assay and atomic absorption procedures, and for a 25-element suite by inductively coupled argon plasma (ICAP) methods.

At Vangeochem Lab Ltd., each rock sample was ground to -100 mesh and a 0.5 gram pulp was digested with 5 millilitres of 3:2:1 hydrochloric acid to nitric acid to water at 95°C for 90 minutes, and then diluted to 10 millilitres with water. The resulting precipitate was then analyzed by ICAP methods for: silver, aluminum, arsenic, barium, bismuth, calcium, cobalt, chromium, copper, iron, potassium, magnesium, manganese, molybdenum, sodium, nickel, phosphorus, lead, antimony, tin, strontium, uranium, tungsten and zinc.

A 20.0 to 30.0 gram pulp was split from each of the ground samples, mixed with flux, fused at 1,900°F to form a button, and subsequently digested in an aqua regia solution. This solution was then analyzed for gold by a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp.

1630 PANDORA STREET
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900295 AA

JOB NUMBER: 900295

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 2

SAMPLE #	Cu %	Ag oz/st	Au oz/st
81187	.01	.01	<.005
81188	.01	<.01	<.005
81189	.01	.01	<.005
81190	.01	<.01	<.005
81191	.01	<.01	<.005
81192	.01	.02	<.005
81193	.01	.01	<.005
81194	.01	<.01	<.005
81195	.01	<.01	<.005
81196	.01	.01	<.005
81197	.01	.03	<.005
81198	.04	.01	<.005
81199	.03	<.01	<.005
81200	.03	.03	<.005
81201	.06	.02	<.005
81202	.03	<.01	<.005
81203	.02	<.01	<.005
81204	.01	<.01	<.005
81205	.01	<.01	<.005
81206	.01	<.01	<.005

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001%

.01

ppm = parts per million

.005

< = less than

signed: _____



1630 ...RA STREET
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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900277 GA

JOB NUMBER: 900277

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag ppm	Au ppb
81213	nd	10
81214	nd	30
81215	nd	40
81216	nd	10
81217	nd	30
81218	nd	20
81219	nd	10
81220	nd	20
81221	nd	10
81222	nd	20
81223	nd	10
81224	nd	20
81225	nd	10
81226	nd	nd
81227	nd	nd
81228	nd	nd
81229	nd	10
81230	nd	10
81231	nd	20
81232	nd	nd
81233	.1	nd
81234	nd	20
81235	nd	10
81236	nd	10
81237	nd	nd
81238	nd	nd
81239	nd	10
81240	nd	20

DETECTION LIMIT

0.1 5

nd = none detected

-- = not analysed

is = insufficient sample

VANGUARD LAB LIMITED

1630 Pandora Street, Vancouver, VSL 1L6
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *[Signature]*

REPORT #: 900277 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: BI NORTH DATE IN: AUG 22 1990 DATE OUT: SEPT 19 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 1 OF 1

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
81213	<0.1	0.93	<3	54	<3	7.96	3.1	21	27	185	5.60	0.77	3.07	2253	8	<0.01	27	0.08	33	<2	13	48	<5	<3	56
81214	<0.1	2.88	<3	30	<3	3.17	3.4	28	21	379	7.86	0.51	2.32	1676	12	<0.01	14	0.09	53	24	22	27	<5	<3	116
81215	<0.1	3.59	<3	24	<3	3.14	3.4	31	29	39	8.56	0.53	2.26	1747	15	<0.01	11	0.10	63	33	25	29	<5	<3	146
81216	<0.1	3.95	<3	25	<3	2.89	3.7	34	46	51	8.59	0.51	3.09	2032	16	<0.01	28	0.10	62	34	25	29	<5	<3	149
81217	<0.1	4.15	<3	32	<3	3.74	3.1	37	90	226	7.68	0.56	3.55	2024	17	<0.01	59	0.11	68	32	25	35	<5	<3	140
81218	<0.1	3.96	<3	35	<3	3.42	3.6	32	24	61	8.74	0.57	2.65	2142	16	<0.01	12	0.10	67	34	25	36	<5	<3	175
81219	<0.1	3.96	<3	22	<3	3.26	3.1	32	18	45	8.91	0.54	2.77	2323	16	<0.01	15	0.09	70	30	26	36	<5	<3	188
81220	<0.1	4.23	<3	26	<3	3.42	3.5	34	37	29	8.67	0.57	3.03	2187	18	<0.01	24	0.09	69	33	26	31	<5	<3	164
81221	<0.1	5.89	<3	26	<3	5.71	3.2	48	243	450	8.35	0.73	4.86	1994	22	<0.01	114	0.14	81	44	32	66	<5	<3	138
81222	<0.1	3.64	<3	194	<3	4.23	3.6	27	90	295	5.99	0.57	2.45	1513	15	<0.01	40	0.14	54	25	22	51	<5	<3	130
81223	<0.1	1.51	<3	595	<3	4.08	2.0	14	18	131	3.64	0.53	1.61	1262	7	<0.01	12	0.20	28	<2	12	54	<5	<3	73
81224	<0.1	5.12	<3	87	<3	2.74	3.1	30	29	254	7.18	0.47	4.97	1544	19	<0.01	26	0.12	71	40	29	35	<5	<3	143
81225	<0.1	6.14	<3	40	<3	2.46	3.8	41	40	140	9.08	0.47	5.25	1949	23	<0.01	33	0.08	84	48	33	36	<5	<3	158
81226	<0.1	4.35	<3	39	<3	3.34	2.9	28	48	139	6.08	0.52	3.60	1553	17	<0.01	30	0.06	66	30	24	43	<5	<3	135
81227	<0.1	3.63	<3	13	<3	1.75	2.8	17	30	89	5.92	0.33	2.45	1348	14	<0.01	16	0.12	55	24	22	21	<5	<3	137
81228	<0.1	4.87	<3	29	<3	2.47	3.6	24	27	58	7.56	0.44	3.18	1617	17	<0.01	18	0.14	70	35	27	27	<5	<3	140
81229	<0.1	5.87	<3	22	<3	4.32	4.2	37	45	177	7.87	0.62	5.19	2084	21	<0.01	38	0.10	81	42	31	47	<5	<3	146
81230	<0.1	5.91	<3	17	<3	3.91	3.5	36	48	186	7.93	0.59	5.19	1871	20	<0.01	38	0.11	79	45	33	35	<5	<3	150
81231	<0.1	5.32	<3	16	<3	1.94	3.3	30	61	89	7.48	0.38	4.40	1462	19	<0.01	35	0.09	74	42	31	17	<5	<3	151
81232	<0.1	6.12	<3	16	<3	2.44	4.0	39	49	641	8.75	0.46	5.33	1836	21	<0.01	37	0.14	84	46	34	28	<5	<3	180
81233	0.1	5.81	<3	44	<3	2.94	3.6	38	44	230	8.20	0.50	4.95	1731	21	<0.01	41	0.08	77	45	32	33	<5	<3	168
81234	<0.1	7.28	<3	39	<3	2.41	4.5	46	42	166	>10.00	0.49	4.53	2310	27	<0.01	35	0.09	100	59	40	25	<5	<3	246
81235	<0.1	5.40	<3	46	<3	2.61	3.4	33	38	193	8.15	0.46	4.23	1712	19	<0.01	34	0.08	75	40	29	27	<5	<3	195
81236	<0.1	3.99	<3	40	<3	2.51	3.3	19	22	46	6.62	0.43	2.39	1237	16	<0.01	22	0.11	57	25	22	28	<5	<3	135
81237	<0.1	4.23	<3	52	<3	4.73	3.1	25	57	108	6.52	0.63	2.75	1489	16	<0.01	26	0.11	60	25	24	42	<5	<3	124
81238	<0.1	5.49	<3	55	<3	7.13	3.2	38	214	79	6.25	0.76	4.43	1540	19	<0.01	57	0.06	76	35	30	92	<5	<3	98
81239	<0.1	3.87	<3	36	<3	3.56	3.4	21	52	63	6.31	0.52	2.38	1435	14	<0.01	23	0.11	58	23	22	34	<5	<3	127
81240	<0.1	3.41	<3	18	<3	2.76	2.9	17	23	72	6.05	0.43	1.88	1376	13	<0.01	16	0.13	51	19	19	29	<5	<3	125

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses by Alternate Methods Suggested.

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900278 GA

JOB NUMBER: 900278

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 2

SAMPLE #	Ag ppm	Au ppb
81138	nd	380
81139	nd	50
81186	nd	10
81241	nd	nd
81242	nd	20
81243	nd	nd
81244	nd	nd
81245	nd	20
81246	nd	10
81247	nd	nd
81248	nd	nd
81249	nd	nd
81250	nd	nd
81251	nd	nd
81252	nd	nd
81253	nd	nd
81254	nd	nd
81255	nd	nd
81256	nd	nd
81257	nd	nd
81258	nd	nd
81259	nd	nd
81260	nd	nd
81261	nd	nd
81262	nd	nd
81263	nd	70
81264	.3	10
81265	nd	10
81266	nd	40
81267	nd	10
81268	nd	40
81269	nd	20
81270	nd	40
81271	.7	20
81272	.4	10
81273	.2	20
81274	.1	10
81275	nd	30
81276	nd	10

DETECTION LIMIT

0.1 5

nd = none detected

-- = not analysed

is = insufficient sample

1630 PANI STREET
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REPORT NUMBER: 900278 GA

JOB NUMBER: 900278

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 2 OF 2

SAMPLE #	Ag ppm	Au ppb
81277	.1	50
81278	nd	20
81279	nd	20
81280	.1	nd
81281	nd	20
81282	nd	nd
81283	nd	50
81284	.1	nd
81285	nd	30
81286	nd	20
81287	nd	10
81288	nd	30
81289	nd	10
81290	nd	10
81291	nd	nd
81292	nd	10
81293	nd	10
81294	nd	20
81295	nd	10
81296	nd	20
81297	.1	30
81298	.2	20
81299	.2	10
81300	.1	10
81301	.2	10
81302	.1	10
81303	.6	10
81304	.6	20
81305	.3	nd

DETECTION LIMIT 0.1 5
 nd = none detected -- = not analysed ls = insufficient sample

VANCOUVER CHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan G*

REPORT #: 900278 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: CRIMSON STAR BIN DATE IN: AUG 22 1990 DATE OUT: SEPT 19 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 1 OF 2

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
81138	<0.1	5.90	<3	562	<3	3.90	<0.1	62	285	186	6.67	0.54	4.79	959	15	<0.01	216	0.22	53	32	36	192	<5	<3	100
81139	<0.1	0.40	14	21	<3	>10.00	<0.1	<1	17	13	1.10	1.45	0.39	3513	9	<0.01	42	<0.01	12	<2	2	833	<5	<3	13
81186	<0.1	3.94	124	12	<3	4.91	<0.1	41	75	148	7.29	0.55	2.49	854	13	<0.01	49	0.12	29	20	22	66	<5	<3	113
81241	<0.1	3.84	<3	39	<3	3.82	<0.1	27	33	83	9.22	0.53	2.26	2110	13	<0.01	9	0.18	29	27	20	58	6	<3	159
81242	<0.1	1.09	<3	71	<3	5.42	0.7	18	32	23	7.60	0.66	2.63	2125	9	<0.01	7	0.09	13	<2	12	52	<5	<3	102
81243	<0.1	2.18	<3	270	<3	4.21	<0.1	16	34	108	5.65	0.50	2.14	1481	8	<0.01	16	0.06	13	<2	11	47	<5	<3	86
81244	<0.1	5.07	<3	48	<3	5.30	<0.1	37	43	41	7.42	0.59	4.21	1946	11	<0.01	33	0.06	25	25	20	50	<5	<3	122
81245	<0.1	4.47	<3	40	<3	3.35	<0.1	29	42	66	8.34	0.46	2.77	1920	12	<0.01	13	0.09	31	28	18	39	<5	<3	117
81246	<0.1	5.03	<3	45	<3	6.02	<0.1	24	23	89	9.34	0.71	1.96	2259	14	<0.01	5	0.18	29	35	21	109	<5	<3	119
81247	<0.1	3.81	<3	37	<3	4.32	<0.1	16	23	73	6.33	0.52	1.70	1797	9	<0.01	<1	0.14	19	14	16	84	<5	<3	125
81248	<0.1	4.08	<3	58	<3	3.67	<0.1	19	27	75	7.03	0.46	2.06	1747	9	<0.01	4	0.15	25	16	16	55	<5	<3	171
81249	<0.1	3.86	<3	22	<3	5.05	0.1	18	47	51	7.08	0.62	1.92	1982	9	<0.01	<1	0.14	27	23	16	87	<5	<3	140
81250	<0.1	3.54	<3	19	<3	2.91	<0.1	21	30	90	6.92	0.40	1.96	1856	9	<0.01	<1	0.15	24	20	18	79	<5	<3	157
81251	<0.1	3.44	<3	15	<3	3.64	<0.1	20	35	66	6.58	0.50	1.65	1705	10	<0.01	2	0.15	25	19	16	213	<5	<3	131
81252	<0.1	3.03	<3	45	<3	3.63	<0.1	20	57	66	7.12	0.46	1.80	1854	8	<0.01	3	0.16	19	10	15	58	<5	<3	147
81253	<0.1	2.84	<3	50	<3	4.13	<0.1	18	29	66	6.95	0.53	1.91	2264	8	<0.01	<1	0.14	31	11	13	49	<5	<3	136
81254	<0.1	3.08	<3	171	<3	3.11	<0.1	20	79	83	7.81	0.38	1.95	1996	9	<0.01	5	0.16	33	17	17	51	<5	<3	127
81255	<0.1	2.88	<3	72	<3	4.17	<0.1	18	45	43	7.81	0.52	2.01	2267	7	<0.01	<1	0.15	32	16	15	48	<5	<3	125
81256	<0.1	2.89	<3	41	<3	2.87	<0.1	21	31	74	7.51	0.40	1.88	1737	10	<0.01	8	0.16	30	19	13	38	6	<3	134
81257	<0.1	2.89	<3	25	<3	3.07	<0.1	20	29	53	7.32	0.42	1.91	1699	10	<0.01	7	0.15	48	20	14	39	<5	<3	134
81258	<0.1	3.14	<3	37	<3	2.78	<0.1	20	53	37	7.75	0.35	2.03	1856	10	<0.01	11	0.16	24	16	16	38	<5	<3	144
81259	<0.1	2.65	<3	44	<3	2.27	<0.1	18	47	19	6.84	0.34	1.80	1726	8	<0.01	2	0.15	27	19	14	31	<5	<3	113
81260	<0.1	2.75	<3	29	<3	2.68	0.7	18	31	141	6.23	0.38	1.80	1672	11	<0.01	6	0.14	27	13	14	37	<5	<3	117
81261	<0.1	3.07	<3	38	<3	3.40	<0.1	20	26	24	7.97	0.49	2.10	1986	11	<0.01	<1	0.15	23	17	14	49	<5	<3	124
81262	<0.1	4.25	<3	30	<3	2.88	<0.1	26	40	13	8.64	0.40	2.33	1909	15	<0.01	<1	0.16	31	36	17	38	<5	<3	133
81263	<0.1	4.53	<3	42	<3	3.98	0.3	27	45	185	9.83	0.55	2.58	2350	15	<0.01	<1	0.18	29	40	21	58	<5	<3	153
81264	0.3	4.32	<3	135	<3	3.55	<0.1	25	28	440	9.03	0.45	2.51	2215	34	<0.01	4	0.13	26	25	20	55	<5	<3	152
81265	<0.1	3.22	<3	52	<3	4.08	<0.1	19	39	175	6.81	0.48	2.34	2208	13	<0.01	5	0.07	23	11	14	47	<5	<3	104
81266	<0.1	5.59	<3	60	<3	4.28	<0.1	38	54	248	>10.00	0.55	3.79	2813	22	<0.01	15	0.08	35	40	23	55	<5	<3	171
81267	<0.1	8.40	<3	198	<3	4.29	<0.1	61	74	20	>10.00	0.59	5.74	3527	17	<0.01	43	0.09	40	74	35	62	<5	<3	269
81268	<0.1	6.66	<3	99	<3	5.32	<0.1	53	45	1037	>10.00	0.69	4.73	3531	21	<0.01	34	0.07	29	50	29	53	<5	<3	195
81269	<0.1	4.76	<3	107	<3	4.66	0.4	45	45	2345	>10.00	0.58	3.48	2512	14	<0.01	33	0.07	21	36	21	66	<5	<3	170
81270	<0.1	5.08	<3	75	<3	3.79	<0.1	42	111	873	>10.00	0.51	3.37	2785	21	<0.01	26	0.07	31	34	23	39	<5	<3	179
81271	0.7	7.40	<3	63	<3	4.25	<0.1	62	79	2632	>10.00	0.58	5.57	3803	16	<0.01	57	0.08	35	56	33	65	<5	<3	357
81272	0.4	5.77	<3	75	<3	5.06	<0.1	50	59	578	>10.00	0.59	4.93	3225	13	<0.01	38	0.08	21	36	24	69	<5	<3	250
81273	0.2	5.77	<3	112	<3	8.58	<0.1	57	58	382	>10.00	0.87	6.37	4067	14	<0.01	36	0.07	21	33	26	93	<5	<3	261
81274	0.1	1.35	<3	241	<3	8.59	0.3	32	34	45	8.84	0.84	3.98	2730	9	<0.01	21	0.06	10	<2	13	111	5	<3	126
81275	<0.1	0.93	<3	169	<3	4.44	1.0	14	32	35	5.89	0.46	2.32	1601	6	<0.01	4	0.07	4	<2	9	59	<5	<3	98
81276	<0.1	2.32	<3	553	<3	3.50	<0.1	22	39	121	7.73	0.41	2.33	1751	9	<0.01	1	0.16	20	7	14	80	<5	<3	148

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

STANDARD LABORATORY LIMITED

1850 Pandora Street, Vancouver, B.C. V6L 1L6
 Ph: (604)251-5656 Fax: (604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan*

REPORT #: 900278 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: CRIMSON STAR BIN DATE IN: AUG 22 1990 DATE OUT: SEPT 19 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 2 OF 2

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
81277	0.1	1.03	<3	250	<3	3.87	3.1	23	50	207	6.20	0.49	2.03	1612	119	<0.01	15	0.10	35	5	14	55	<5	27	96
81278	<0.1	1.08	<3	43	<3	2.50	3.6	21	35	34	6.23	0.39	1.79	1378	12	<0.01	17	0.11	35	5	13	43	<5	33	110
81279	<0.1	0.99	<3	90	<3	3.16	1.5	18	29	60	5.68	0.45	1.86	1486	9	<0.01	15	0.11	30	3	13	47	<5	35	108
81280	0.1	1.53	<3	190	<3	3.69	3.4	22	48	71	7.18	0.50	2.08	1724	10	<0.01	15	0.15	37	8	15	54	<5	47	125
81281	<0.1	1.65	<3	388	<3	4.02	2.6	22	61	64	6.85	0.54	2.24	1824	10	<0.01	18	0.13	40	13	16	66	<5	55	127
81282	<0.1	0.93	<3	536	<3	5.11	2.9	21	39	72	6.88	0.61	2.68	1838	12	<0.01	22	0.10	36	6	14	127	<5	39	111
81283	<0.1	1.86	<3	76	<3	3.07	2.9	22	36	507	7.08	0.47	2.12	1802	14	<0.01	17	0.15	44	14	17	49	<5	59	127
81284	0.1	2.89	<3	39	<3	2.34	2.6	23	48	98	7.31	0.40	2.07	1478	18	<0.01	18	0.15	52	19	20	39	<5	89	132
81285	<0.1	2.62	<3	219	<3	4.47	2.9	23	71	140	7.48	0.58	2.59	2115	28	<0.01	19	0.15	52	18	21	61	<5	84	126
81286	<0.1	2.61	<3	263	<3	1.79	0.8	23	30	148	6.41	0.34	1.79	1315	14	<0.01	18	0.15	51	17	18	52	<5	81	110
81287	<0.1	3.57	<3	274	<3	1.92	2.7	23	29	274	7.41	0.39	2.48	1726	17	<0.01	18	0.15	60	27	23	53	<5	105	162
81288	<0.1	3.59	<3	218	<3	2.70	2.9	21	37	77	7.08	0.44	2.54	1772	17	<0.01	19	0.16	59	27	23	52	<5	100	152
81289	<0.1	3.13	<3	>1000	<3	2.30	2.3	21	63	84	6.59	0.39	2.18	1624	14	<0.01	21	0.12	54	22	21	125	<5	91	132
81290	<0.1	0.81	<3	155	<3	3.00	1.7	16	32	101	5.02	0.41	1.60	1365	11	<0.01	21	0.06	28	<2	10	136	<5	38	72
81291	<0.1	0.88	<3	>1000	<3	5.20	1.3	17	35	28	5.35	0.56	2.50	2072	9	<0.01	28	0.05	29	<2	11	221	<5	43	93
81292	<0.1	1.20	<3	534	<3	4.48	3.1	25	74	147	6.43	0.54	2.61	1821	10	<0.01	33	0.05	38	6	14	87	<5	56	125
81293	<0.1	4.15	<3	74	<3	3.54	5.2	58	70	72	>10.00	0.56	4.35	2618	19	<0.01	70	0.09	75	38	30	56	<5	133	254
81294	<0.1	4.51	<3	169	<3	6.23	3.4	54	70	22	9.73	0.70	4.81	2567	20	<0.01	66	0.08	79	41	28	78	<5	140	185
81295	<0.1	4.68	<3	207	<3	3.99	3.7	42	68	23	8.60	0.54	4.61	2147	20	<0.01	47	0.09	74	35	28	60	<5	140	181
81296	<0.1	1.84	<3	545	<3	2.11	1.0	17	81	6	6.08	0.35	1.91	1395	11	<0.01	24	0.09	42	10	15	105	<5	73	135
81297	0.1	1.71	<3	679	<3	2.04	1.6	11	63	9	4.77	0.31	1.58	1190	9	<0.01	26	0.08	34	4	12	141	<5	71	111
81298	0.2	1.24	<3	291	<3	3.40	1.4	13	35	36	5.28	0.46	1.88	1592	9	<0.01	25	0.09	35	3	12	66	<5	63	116
81299	0.2	1.48	<3	273	<3	2.41	1.9	11	30	18	4.30	0.36	1.39	1215	11	<0.01	24	0.08	29	<2	11	59	<5	67	93
81300	0.1	2.36	<3	509	<3	2.89	1.4	13	61	146	5.13	0.41	1.58	1413	12	<0.01	24	0.10	39	7	15	73	<5	90	125
81301	0.2	2.66	<3	364	<3	2.79	1.3	11	86	34	4.93	0.40	1.66	1446	12	<0.01	25	0.09	42	9	15	64	<5	97	139
81302	0.1	2.92	<3	213	<3	2.68	2.4	13	35	13	5.67	0.41	2.16	1644	14	<0.01	27	0.11	50	12	17	46	<5	109	133
81303	0.6	4.63	<3	686	<3	3.17	3.3	26	32	22	8.51	0.51	3.22	2129	21	<0.01	28	0.10	70	32	28	84	<5	149	135
81304	0.6	4.04	<3	>1000	<3	3.05	2.5	21	78	12	7.18	0.46	2.72	1824	17	<0.01	30	0.11	59	24	23	180	<5	133	119
81305	0.3	3.22	<3	173	<3	4.17	2.1	16	62	7	5.68	0.52	2.39	1628	14	<0.01	28	0.10	52	11	18	61	<5	120	105

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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~~VANCOUVER, B.C. V5L 1K5~~
 • (604) 251-5656
 • FAX (604) 254-5717

BRANCH OFFICES
 PASADENA, NFLD.
 BATHURST, N.B.
 MISSISSAUGA, ONT.
 RENO, NEVADA, U.S.A.

REPORT NUMBER: 900323 GA

JOB NUMBER: 900323

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag ppm	Au ppb
81306	nd	10
81307	nd	10
81308	nd	nd
81309	nd	nd
81310	nd	20
81311	nd	nd
81312	nd	10
81313	nd	10
81314	nd	20
81315	nd	10
81316	nd	nd
81317	nd	10
81318	nd	nd
81319	nd	nd
81320	nd	nd
81321	nd	20
81322	nd	10
81323	nd	20
81324	nd	nd
81325	nd	nd
81326	nd	nd
81327	nd	nd
83128	nd	nd
83129	nd	nd
83130	nd	30
83131	nd	40
83132	nd	10
83133	.3	10
83134	nd	10
83135	nd	nd
83136	nd	nd
83137	nd	nd
83138	nd	nd

DETECTION LIMIT 0.1 5
 nd = none detected -- = not analysed is = insufficient sample

VANCOE CHEM LAB LIMITED

1600 Pandora Street, Vancouver, B.C. V5L 1L6
 Ph: (604)251-5656 Fax: (604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan L...*

REPORT #: 900323 PA SULLIVAN MANAGEMENT/KRESTEL RES. PROJECT: CRIMSON STAR BIN DATE IN: AUG 28 1990 DATE OUT: SEPT 28 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	I	ppm	ppm	ppm	I	ppm	ppm	ppm	ppm	I	I	I	ppm	ppm	I	ppm	I	ppm	ppm	ppm	ppm	ppm	ppm	ppm
81306	<0.1	4.00	<3	47	<3	2.95	1.9	27	59	64	6.30	0.33	3.01	1630	23	0.02	18	0.04	<2	<2	8	39	<5	<3	115
81307	<0.1	2.93	<3	31	<3	4.07	1.4	34	129	27	5.88	0.34	2.70	1169	18	0.01	46	0.03	<2	<2	8	27	<5	<3	95
81308	<0.1	4.11	<3	40	<3	3.79	2.5	48	155	37	6.58	0.36	3.25	1294	24	0.02	55	0.02	<2	<2	15	23	<5	<3	106
81309	<0.1	4.62	<3	48	<3	4.47	3.0	53	160	68	7.15	0.38	3.41	1397	26	0.02	59	0.02	<2	<2	16	25	<5	<3	117
81310	<0.1	3.76	<3	34	<3	6.47	3.9	45	141	13	6.07	0.35	3.23	1274	20	0.02	46	0.03	<2	<2	13	47	<5	<3	99
81311	<0.1	4.39	<3	40	<3	3.62	3.5	48	148	23	6.25	0.36	3.68	1455	24	0.02	53	0.02	<2	<2	15	57	<5	<3	108
81312	<0.1	4.14	<3	28	<3	5.84	3.4	37	134	9	6.56	0.38	3.44	1377	25	0.01	52	0.02	<2	<2	10	40	<5	<3	111
81313	<0.1	4.63	<3	42	<3	3.09	3.0	37	142	6	7.01	0.37	3.69	1431	25	0.01	56	0.01	<2	<2	9	29	<5	<3	125
81314	<0.1	4.11	<3	28	<3	3.74	0.7	35	139	12	6.08	0.35	3.37	1329	22	0.01	49	0.02	<2	<2	7	35	<5	<3	112
81315	<0.1	4.38	<3	37	<3	2.83	2.1	45	157	4	5.42	0.29	3.47	1329	25	0.01	60	0.01	<2	<2	11	97	<5	<3	106
81316	<0.1	4.73	<3	29	<3	2.26	2.1	44	157	4	6.59	0.35	3.88	1344	24	0.01	54	0.01	<2	<2	11	47	<5	<3	122
81317	<0.1	3.63	<3	24	<3	4.98	1.4	41	145	6	6.57	0.36	3.34	1457	23	0.01	46	0.04	<2	<2	10	39	<5	<3	109
81318	<0.1	3.59	<3	59	<3	3.56	3.9	44	139	6	6.48	0.35	3.27	1313	22	0.01	46	0.03	<2	<2	14	34	<5	<3	102
81319	<0.1	3.69	<3	48	<3	4.23	1.3	41	149	6	6.63	0.36	3.28	1337	23	0.01	42	0.03	<2	<2	12	35	<5	<3	105
81320	<0.1	4.35	<3	66	<3	3.78	2.4	37	122	183	6.49	0.37	3.33	1347	23	<0.01	50	0.02	<2	<2	9	30	<5	<3	116
81321	<0.1	3.33	<3	44	<3	5.88	1.5	33	99	20	6.33	0.37	3.49	1788	20	<0.01	41	0.01	<2	<2	6	33	<5	<3	114
81322	<0.1	3.52	<3	55	<3	3.69	1.9	34	127	11	6.30	0.36	3.04	1264	20	0.01	43	0.01	<2	<2	7	29	<5	<3	96
81323	<0.1	3.64	<3	61	<3	2.91	1.3	36	135	6	6.99	0.35	3.47	1440	22	<0.01	51	0.02	<2	<2	8	26	<5	<3	102
81324	<0.1	2.42	<3	39	<3	3.71	1.6	28	109	3	5.93	0.31	2.60	1329	14	0.01	27	0.03	<2	<2	6	32	<5	<3	73
81325	<0.1	3.16	<3	28	<3	2.79	1.5	34	123	4	6.74	0.34	3.21	1521	17	0.01	31	0.03	<2	<2	8	22	<5	<3	96
81326	<0.1	0.90	<3	43	<3	>10.00	4.1	21	51	11	6.29	0.23	3.17	2796	12	0.01	12	0.02	<2	10	5	77	<5	<3	113
81327	<0.1	2.11	<3	23	<3	5.56	2.8	26	105	10	5.56	0.32	2.76	1407	15	0.01	29	0.02	<2	<2	5	47	<5	<3	77
81328	<0.1	2.40	<3	91	<3	5.74	2.4	21	25	235	5.94	0.36	2.79	2036	14	<0.01	<1	0.04	<2	<2	6	50	<5	<3	72
81329	<0.1	0.90	22	236	<3	4.75	0.3	11	44	325	3.91	0.27	1.47	1428	11	<0.01	<1	0.06	<2	3	4	45	<5	<3	38
81330	<0.1	1.28	<3	86	<3	1.32	0.3	7	53	31	3.34	0.19	0.82	675	8	<0.01	<1	0.08	<2	<2	4	14	<5	<3	43
81331	<0.1	1.07	35	148	<3	1.63	0.2	8	60	70	3.16	0.21	0.85	761	8	<0.01	<1	0.08	<2	<2	3	22	<5	<3	44
81332	<0.1	1.36	7	121	<3	1.40	<0.1	8	57	25	3.49	0.20	0.87	750	7	<0.01	<1	0.08	<2	<2	4	17	<5	<3	57
81333	0.3	1.07	<3	221	<3	1.84	0.5	8	51	39	3.26	0.19	0.79	759	7	<0.01	<1	0.07	<2	<2	2	20	<5	<3	35
81334	<0.1	0.52	48	129	<3	1.35	1.0	6	60	29	1.93	0.15	0.52	474	1	<0.01	<1	0.07	<2	5	2	16	<5	<3	21
81335	<0.1	0.33	36	68	<3	3.94	1.4	9	62	11	2.93	0.23	1.35	1181	4	<0.01	<1	0.04	<2	8	3	25	<5	<3	25
81336	<0.1	0.26	44	37	<3	4.09	0.5	8	63	49	2.62	0.22	1.35	1318	4	<0.01	<1	0.03	3	10	3	23	<5	<3	39
81337	<0.1	0.37	25	39	<3	5.82	1.4	15	59	39	5.11	0.29	1.98	2083	8	<0.01	<1	0.06	<2	11	4	36	<5	<3	52
81338	<0.1	0.72	21	96	<3	2.25	0.2	8	49	48	3.33	0.24	1.01	909	5	<0.01	<1	0.10	<2	6	3	20	<5	<3	30

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

REPORT NUMBER: 900102 GA

JOB NUMBER: 900102

SULLIVAN MANAGEMENT/KESTRREL RES.

PAGE 1 OF 2

SAMPLE #	Ag ppm	Au ppb
92211	1.4	50
92212	7.4	80
92451	.8	60
92622	.3	20
92623	1.0	50
92624	.3	10
92625	.5	30
92626	.4	10
92627	.2	10
92628	.3	10
92629	.2	nd
92630	.1	nd
92631	.5	20
92632	.1	nd
92633	.1	nd
92634	.2	20
92635	.2	50
92636	.1	10
92637	.2	30
92638	.1	30
92639	.1	10
92640	.1	10
92641	.1	10
92642	.2	10
92643	1.4	330
92644	1.3	20
92645	1.8	10
92646	1.1	30
92647	.2	10
92648	.2	20
92649	nd	nd
92650	nd	nd
92651	.1	10
92652	nd	10
92653	nd	10
92654	.1	10
92655	nd	230
92656	1.2	10
92657	.2	20

DETECTION LIMIT

0.1 5

nd = none detected

-- = not analysed

is = insufficient sample

REPORT NUMBER: 900102 GA

JOB NUMBER: 900102

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 2 OF 2

SAMPLE #	Ag ppm	Au ppb
92658	.8	20
92659	.7	10
92660	1.0	30
92661	.8	20
92662	.5	10
92663	.3	30
92664	.5	20
92665	.4	20
92666	.8	20
92667	.6	10
92668	.7	10
92669	.4	nd
92670	.8	nd
92671	1.5	nd
92672	.9	nd
92673	.3	nd
92674	.7	nd
92675	.5	nd
92676	.4	30
92677	.6	10
92678	1.0	40
92679	8.0	120
92680	13.5	30
92681	.5	10
92682	.4	30
92683	.5	10
92684	.3	10
92685	.7	20
92686	1.0	20
92687	3.0	130
92688	.8	20
92689	.5	10
92690	2.2	80
92691	.3	20
92692	.3	10
92693	11.2	120

DETECTION LIMIT 0.1 5
 nd = none detected -- = not analysed is = insufficient sample

REPORT NUMBER: 900101 GA

JOB NUMBER: 900101

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag ppm	Au ppb
92694	.4	nd
92695	.2	nd
92696	.2	nd
92697	.2	40
92698	.7	220
92699	.2	40
92700	.3	nd
92801	.7	40
92802	.4	nd
92803	.5	nd
92804	.4	20
92805	.3	20
92806	.4	nd
92807	.3	nd
92808	.2	nd
92809	2.5	40
92810	.4	20
92811	1.5	220
92812	.4	20
92813	2.2	2000

MANITOBA PAPER LIMITED

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ICAP GEOCHEMICAL ANALYSES

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95° C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan*

REPORT #: 900102 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: RON DATE IN: JULY 16 1990 DATE OUT: JULY 20 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 1 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
92211	1.4	.45	189	27	<3	.07	5.4	14	44	45	3.98	.01	.13	123	4	.11	17	.02	67	9	5	9	<5	<3	937
92212	7.4	2.38	220	16	77	.08	14.5	15	53	>20000	>10.00	.01	2.52	1376	22	.21	20	.05	88	36	19	3	<5	136	1294
92451	.8	.57	98	22	<3	.04	7.0	12	40	702	5.46	.01	.18	183	7	.15	13	.08	114	<2	6	10	<5	<3	1200
92622	.3	2.04	59	30	7	1.21	3.4	24	50	324	5.74	.16	.97	360	12	.03	15	.05	27	<2	16	175	<5	55	68
92623	1.0	.34	103	42	<3	5.39	4.7	32	118	64	7.16	.33	1.02	1471	12	.05	22	.01	46	<2	8	>10000	<5	88	134
92624	.3	.62	<3	>1000	<3	.37	1.6	4	40	77	1.77	.06	.22	534	19	.01	5	.03	7	<2	3	321	<5	<3	27
92625	.5	3.92	134	89	34	.57	6.7	34	209	84	9.08	.08	3.31	1232	95	.06	83	.05	31	8	25	120	<5	129	138
92626	.4	.63	22	>1000	15	>10.00	6.3	31	63	412	6.00	.46	4.21	2373	10	.08	62	.04	43	<2	9	104	<5	116	298
92627	.2	.60	59	70	19	>10.00	7.4	34	100	13	6.45	.47	3.91	2448	10	.08	80	.05	62	6	11	74	<5	139	350
92628	.3	3.45	114	31	27	1.44	5.1	42	72	495	7.57	.19	2.80	1219	15	.05	39	.08	22	<2	24	30	<5	113	152
92629	.2	2.51	69	21	4	2.07	3.7	35	131	171	4.76	.25	2.06	1037	11	.04	67	.06	16	<2	18	86	<5	80	114
92630	.1	.50	<3	348	<3	.11	1.6	15	39	61	3.23	.02	.12	689	5	.02	11	.02	13	<2	5	12	<5	<3	74
92631	.5	1.39	25	46	<3	3.56	2.9	16	68	823	3.94	.32	1.74	925	7	.03	28	.06	14	<2	9	23	<5	46	54
92632	.1	1.93	51	30	<3	5.61	4.3	35	177	48	5.53	.39	2.12	1403	10	.04	110	.06	24	<2	11	40	<5	96	107
92633	.1	.58	<3	379	<3	.26	1.3	11	91	17	2.82	.04	.07	544	5	.01	12	.03	16	<2	5	13	<5	<3	58
92634	.2	.50	<3	>1000	<3	.11	1.3	8	39	29	1.77	.02	.03	406	6	.01	7	.02	11	<2	3	27	<5	<3	34
92635	.2	1.26	109	98	<3	.05	4.1	35	45	141	8.33	.01	.19	1141	12	.05	25	.06	34	8	10	5	<5	21	147
92636	.1	1.54	34	22	<3	.22	2.9	12	64	105	4.16	.03	.70	790	9	.02	26	.09	20	<2	10	4	<5	<3	90
92637	.2	1.63	85	179	25	9.51	5.1	29	97	280	5.76	.44	3.27	1798	11	.04	51	.07	43	11	12	41	<5	123	85
92638	.1	.68	18	26	<3	.52	2.5	13	36	25	4.30	.08	.15	980	6	.02	16	.07	23	<2	6	4	<5	<3	89
92639	.1	.83	33	115	<3	.24	2.7	17	30	6	5.95	.04	.19	1040	6	.04	15	.09	24	<2	7	5	<5	<3	140
92640	.1	1.14	64	65	12	7.92	5.1	26	13	9	6.41	.41	2.77	1924	10	.05	24	.05	37	4	10	34	<5	117	161
92641	.1	.37	48	37	21	>10.00	5.3	21	14	88	5.67	.44	5.34	2665	8	.06	31	.02	42	<2	9	59	<5	128	147
92642	.2	.61	29	257	19	7.85	4.1	17	29	692	4.38	.41	3.24	1788	8	.04	27	.05	32	<2	8	238	<5	94	56
92643	1.4	.30	20	237	17	6.23	4.1	17	58	4939	4.06	.39	2.28	1446	6	.04	20	.02	29	13	7	40	<5	63	90
92644	1.3	.71	11	160	<3	.09	2.1	3	27	45	4.34	.01	.30	146	7	.02	8	.07	20	<2	6	7	<5	<3	34
92645	1.8	.65	3	78	<3	.03	2.0	2	59	17	3.69	.01	.18	71	8	.01	6	.06	16	<2	5	6	<5	<3	15
92646	1.1	.58	7	128	<3	.04	1.9	3	34	15	4.18	.01	.08	88	7	.01	4	.07	16	<2	5	6	<5	<3	15
92647	.2	.48	<3	20	<3	.01	.9	1	87	7	1.98	.01	.09	41	5	.01	5	.01	15	<2	3	3	<5	<3	17
92648	.2	2.69	53	17	4	3.11	2.5	28	114	130	2.57	.30	1.83	1070	12	.02	70	.05	15	<2	14	123	<5	66	71
92649	<0.1	2.78	82	30	15	.97	3.8	44	171	165	4.44	.14	2.48	889	12	.03	99	.04	18	<2	16	32	<5	84	104
92650	<0.1	.55	<3	808	<3	4.04	2.7	9	23	8	3.17	.34	.41	1392	5	.02	9	.11	20	<2	5	48	<5	9	66
92651	.1	.31	<3	223	<3	2.11	1.3	6	116	525	1.97	.24	.31	856	3	.01	9	.05	21	<2	3	19	<5	<3	36
92652	<0.1	.20	<3	309	<3	1.44	1.3	5	63	339	1.84	.19	.24	703	5	.01	6	.03	12	<2	3	15	<5	<3	35
92653	<0.1	.07	<3	203	<3	.05	1.0	3	185	63	.91	.01	.01	498	2	.01	8	.01	8	<2	<2	5	<5	<3	21
92654	.1	.35	<3	226	<3	.09	1.0	4	57	66	1.23	.01	.03	440	5	.01	5	.03	13	<2	3	11	<5	<3	16
92655	<0.1	.31	<3	486	<3	.05	.9	4	140	129	1.11	.01	.03	320	3	.01	5	.02	18	<2	3	13	<5	<3	17
92656	1.2	3.91	114	34	31	3.55	4.1	33	155	2165	5.48	.31	1.49	774	21	.03	65	.05	17	4	18	62	<5	117	97
92657	.2	3.88	120	17	27	1.03	4.4	41	158	46	5.35	.15	3.13	1029	18	.04	74	.05	20	<2	21	85	<5	131	126

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

ICAP GEOCHEMICAL ANALYSES

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95° C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Fe, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan*

REPORT #: 900102 PA

SULLIVAN MANAGEMENT / KESTREL RES.

PROJECT: RON

DATE IN: JULY 16 1990

DATE OUT: JULY 20 1990

ATTENTION: MR. JOHN BUCHHOLZ

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
92658	.8	.04	<3	<1	<3	.01	.6	2	1	<1	.11	.01	.03	14	1	.01	3	.01	16	19	23	80	<5	148	94
92659	.7	2.85	114	22	26	1.72	4.7	29	41	103	7.06	.22	2.14	1153	16	.04	15	.35	37	37	7	8	<5	<3	28
92660	1.0	.48	96	13	<3	.10	2.9	12	86	292	5.98	.01	.34	134	51	.03	15	.02	63	<2	7	3	<5	<3	7
92661	.8	.17	<3	13	<3	.03	.2	2	187	16	.59	.01	.05	252	5	.01	5	.01	16	<2	2	3	<5	<3	7
92662	.5	.45	<3	89	<3	2.50	1.5	5	35	23	1.73	.28	.34	971	4	.01	9	.02	14	<2	3	18	<5	<3	25
92663	.3	.05	<3	366	<3	.06	.1	2	211	3	.34	.01	.01	117	2	.01	4	.01	9	<2	2	7	<5	<3	3
92664	.5	.31	<3	444	<3	1.47	1.0	6	54	136	1.63	.20	.07	581	5	.01	4	.05	15	<2	3	30	<5	<3	34
92665	.4	.29	<3	492	<3	1.66	1.1	5	137	52	1.33	.22	.09	565	3	.01	4	.04	15	<2	2	19	<5	<3	33
92666	.8	.26	<3	313	<3	1.63	1.1	5	48	267	1.56	.21	.11	674	4	.01	4	.05	13	<2	3	21	<5	<3	27
92667	.6	.32	<3	182	<3	1.29	1.3	7	116	352	1.94	.18	.10	709	4	.01	6	.05	21	<2	4	16	<5	<3	30
92668	.7	.28	<3	579	<3	1.91	1.8	7	65	248	1.80	.24	.16	797	6	.01	7	.03	21	<2	4	19	<5	<3	52
92669	.4	.23	<3	19	<3	.05	.3	3	208	17	.69	.01	.14	210	3	.01	7	.01	6	<2	2	1	<5	<3	11
92670	.8	.81	<3	238	<3	.38	1.4	8	56	262	2.20	.06	.30	1018	7	.01	8	.05	21	<2	5	17	<5	<3	48
92671	1.5	.27	<3	109	<3	.18	1.3	10	152	2459	2.18	.03	.03	716	4	.01	7	.04	17	<2	3	9	<5	<3	41
92672	.9	.23	<3	779	<3	.33	.8	5	76	1435	1.11	.06	.03	434	5	.01	5	.02	12	<2	2	17	<5	<3	26
92673	.3	.32	<3	80	<3	.07	.6	3	148	69	.99	.01	.07	346	3	.01	5	.03	9	<2	2	7	<5	<3	15
92674	.7	.44	<3	143	<3	.15	1.1	5	52	345	1.85	.02	.12	684	5	.01	4	.07	11	<2	3	13	<5	<3	20
92675	.5	.09	<3	36	<3	.01	.6	6	181	177	1.49	.01	.02	494	3	.01	4	.01	7	<2	2	1	<5	<3	9
92676	.4	.02	<3	6	<3	.01	.2	1	75	34	.61	.01	.01	156	4	.01	3	.01	4	<2	<2	1	<5	<3	5
92677	.6	.14	<3	320	<3	.04	.8	3	172	121	1.43	.01	.02	156	3	.01	4	.02	6	<2	2	8	<5	<3	8
92678	1.0	1.44	86	17	8	.10	3.9	13	34	72	8.34	.01	1.09	472	12	.05	18	.04	40	12	13	12	<5	81	110
92679	8.0	2.39	136	27	37	.39	5.0	26	86	6689	9.61	.06	1.05	593	50	.06	17	.02	44	22	14	72	<5	95	127
92680	13.5	1.37	113	11	44	.09	6.0	32	25	5718	>10.00	.01	.78	296	86	.07	19	.03	52	23	13	5	<5	88	87
92681	.5	2.70	77	14	<3	1.77	2.5	24	68	634	3.94	.22	.90	619	16	.02	17	.04	25	4	14	245	<5	60	66
92682	.4	.66	<3	49	<3	.04	2.3	10	44	48	5.02	.01	.16	76	6	.02	8	.02	21	<2	6	12	<5	<3	9
92683	.5	1.58	62	68	<3	.10	3.5	13	22	58	6.20	.01	1.11	422	10	.03	12	.04	29	3	11	8	<5	52	49
92684	.3	1.25	19	26	<3	.30	2.2	16	128	56	3.02	.05	.78	373	9	.01	10	.02	16	<2	8	10	<5	9	30
92685	.7	1.42	68	28	11	.82	4.0	43	35	473	8.41	.12	.69	342	11	.03	13	.02	29	12	14	36	<5	68	37
92686	1.0	2.80	90	5	11	.73	3.3	31	68	385	4.56	.11	2.21	893	13	.03	20	.04	22	2	16	81	<5	91	128
92687	3.0	3.44	181	13	49	.55	5.9	48	45	3893	>10.00	.08	2.15	755	90	.06	18	.02	50	33	19	20	<5	188	138
92688	.8	3.69	148	13	23	1.28	5.0	35	43	878	6.71	.17	2.78	791	22	.04	25	.04	31	21	20	144	<5	185	84
92689	.5	3.09	103	15	30	1.12	3.9	35	52	3755	4.95	.16	2.09	960	16	.03	27	.05	27	11	18	95	<5	100	124
92690	2.2	2.59	124	19	32	.79	4.7	30	37	1023	7.38	.12	2.17	797	61	.04	23	.05	34	16	20	37	<5	116	119
92691	.3	1.19	83	29	11	.76	3.1	22	53	110	6.54	.11	.53	314	53	.03	13	.03	37	4	15	57	<5	23	34
92692	.3	1.85	56	18	7	.60	2.5	19	22	35	3.87	.10	1.14	775	10	.02	7	.06	15	<2	14	35	<5	43	70
92693	11.2	2.92	151	12	71	.33	6.7	40	58	9632	9.17	.04	2.11	1786	29	.08	32	.06	52	37	19	19	<5	143	354

Minimum Detection	0.1	0.01	3	1	2	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1		
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000		
< - Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested																										

VANOCHEM LAB LIMITED

1080 Triumph Street, Vancouver, B.C. V6C 1K5
 Ph: (604) 251-5656 Fax: (604) 254-5717

ICAP GEOCHEMICAL ANALYSES

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95° C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Raymond*

REPORT #: 900101 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: BI NORTH DATE IN: JULY 16 1990 DATE OUT: JULY 20 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
92694	.4	.16	35	565	8	>10.00	5.4	15	27	229	4.25	.49	4.44	1968	6	.05	28	.04	46	8	10	246	<5	45	69
92695	.2	1.62	29	67	<3	1.19	2.2	13	51	45	2.37	.17	.76	426	6	.01	26	.05	15	<2	11	44	<5	<3	40
92696	.2	.88	21	837	8	5.80	3.9	17	96	18	4.25	.41	2.56	1326	5	.02	37	.05	31	4	9	57	19	30	30
92697	.2	.63	41	62	10	8.39	4.0	29	43	74	4.43	.46	2.53	1838	6	.04	49	.04	63	7	9	57	18	42	103
92698	.7	.33	142	12	4	3.05	4.7	21	60	302	8.45	.30	1.18	1275	7	.04	21	.08	56	18	11	15	11	27	32
92699	.2	.12	52	63	9	>10.00	7.6	22	19	23	5.00	.50	4.53	3089	6	.08	38	.03	54	9	10	55	<5	43	361
92700	.3	1.02	53	20	10	>10.00	5.5	32	23	51	5.03	.52	4.43	2148	7	.06	54	.02	43	5	11	98	<5	51	150
92801	.7	2.22	68	11	8	2.01	3.7	31	155	142	5.58	.24	2.29	722	191	.03	47	.08	39	3	17	40	11	35	87
92802	.4	1.16	37	14	<3	8.36	4.0	19	46	28	4.40	.45	2.94	1660	8	.04	40	.12	21	<2	9	45	<5	37	50
92803	.5	.49	48	27	7	>10.00	4.3	22	33	13	5.26	.50	3.95	2056	9	.05	39	.04	38	5	10	57	<5	49	54
92804	.4	.65	55	43	10	8.10	4.1	23	25	30	4.95	.45	2.91	1954	6	.03	34	.05	42	11	11	43	23	42	47
92805	.3	2.41	87	46	<3	3.34	3.0	28	152	48	4.10	.32	1.93	820	8	.03	75	.05	30	<2	10	18	27	21	190
92806	.4	1.05	74	473	19	>10.00	7.2	29	61	19	5.97	.47	2.81	2383	12	.06	56	.04	51	12	12	111	15	54	324
92807	.3	.16	60	>1000	16	>10.00	6.4	30	15	70	7.06	.53	4.79	3511	11	.06	39	.02	70	26	13	189	<5	68	136
92808	.2	.20	61	113	18	>10.00	5.4	27	26	11	5.78	.51	5.23	2357	8	.05	37	.03	64	20	12	74	<5	61	131
92809	2.5	3.88	87	116	12	4.12	4.2	36	146	7293	5.44	.35	3.11	1252	11	.05	66	.05	26	<2	16	46	23	36	217
92810	.4	.39	36	206	6	8.17	4.0	20	56	299	3.96	.45	2.70	1517	5	.02	26	.05	38	6	8	35	25	41	33
92811	1.5	1.17	92	47	7	7.74	5.9	19	51	158	4.97	.44	2.99	3131	8	.05	31	.04	36	4	11	85	14	42	264
92812	.4	.13	32	266	8	>10.00	4.6	15	25	210	4.46	.48	4.31	2144	5	.04	22	.02	43	6	10	260	<5	43	83
92813	2.2	.74	80	10	6	.83	5.3	30	34	41	>10.00	.12	.35	410	11	.04	13	.12	52	24	12	14	<5	6	42

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

REPORT NUMBER: 900193 GA

JOB NUMBER: 900193

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 2

SAMPLE #	Ag ppm	Au ppb
92232	nd	nd
92234	nd	nd
92235	nd	nd
92236	nd	nd
92237	nd	nd
92238	nd	nd
92239	.4	60
92240	nd	30
92241	nd	nd
92242	nd	120
92243	nd	nd
92244	nd	nd
92245	nd	30
92246	nd	nd
92247	nd	nd
92248	nd	nd
92249	nd	nd
92250	nd	nd

DETECTION LIMIT

0.1 5

nd = none detected

-- = not analysed

is = insufficient sample

VANGOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, V5L 1L6
 Ph: (604)251-5656 Fax: (604) 5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and U.

ANALYST: *Royce*

REPORT #: 900193 PA

SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: NONE GIVEN DATE IN: AUG 07 1990 DATE OUT: AUG 25 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 1 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
92234	<0.1	2.24	23	16	<3	0.36	9.0	44	53	284	6.99	0.11	1.90	529	18	<0.01	39	0.13	81	73	17	15	<5	<3	62
92235	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
92236	<0.1	3.39	<3	65	<3	0.77	8.7	33	31	229	5.99	0.13	2.07	989	17	<0.01	32	0.07	86	88	12	42	<5	<3	133
92237	<0.1	4.79	<3	41	<3	1.53	10.3	44	41	342	4.56	0.18	3.11	1145	15	<0.01	39	0.06	100	112	17	140	<5	<3	127
92238	<0.1	3.17	24	32	<3	1.43	12.3	52	80	156	6.42	0.20	5.02	1165	20	<0.01	127	0.18	104	115	27	36	<5	<3	141
92239	<0.1	0.47	35	64	<3	7.94	12.3	40	48	36	5.88	0.28	2.99	1578	27	<0.01	39	0.06	87	84	13	42	7	<3	114
92240	<0.1	3.27	32	21	<3	1.82	9.6	50	162	96	4.01	0.22	4.02	1198	18	<0.01	99	0.08	106	113	24	51	8	<3	150
92241	0.4	2.76	12	11	<3	1.62	8.6	35	117	2406	3.86	0.18	1.90	1327	22	<0.01	107	0.05	215	80	18	191	9	<3	206
92242	<0.1	3.45	<3	261	<3	2.77	10.2	39	23	328	8.11	0.18	2.39	1618	17	<0.01	25	0.09	93	97	23	40	<5	<3	131
92243	<0.1	4.83	<3	27	<3	0.96	9.2	48	77	262	7.59	0.11	4.00	3481	15	<0.01	67	0.07	90	104	27	36	<5	<3	477
92244	<0.1	3.27	<3	37	<3	1.39	8.2	34	114	67	4.35	0.14	2.60	764	13	<0.01	67	0.06	79	56	20	69	10	<3	102
92245	<0.1	3.29	<3	92	<3	2.17	9.9	38	202	44	4.90	0.14	2.78	1082	12	<0.01	140	0.06	68	45	16	34	6	<3	431
92246	<0.1	2.99	17	16	<3	5.51	7.6	37	243	58	3.84	0.21	2.52	956	13	<0.01	107	0.08	76	62	17	74	5	<3	79
92247	<0.1	3.95	18	115	<3	3.49	10.7	49	258	47	6.17	0.23	3.58	1375	17	<0.01	183	0.06	94	111	16	27	6	<3	110
92248	<0.1	3.83	29	25	<3	1.75	13.6	60	326	56	6.76	0.23	3.45	1358	19	<0.01	204	0.06	122	152	19	24	<5	<3	101
92249	<0.1	3.49	41	31	<3	3.63	13.5	50	38	260	8.92	0.28	2.83	1686	23	<0.01	48	0.08	124	166	21	27	7	<3	124
92250	<0.1	4.14	23	83	<3	4.29	11.2	50	295	69	6.08	0.25	3.83	1647	18	<0.01	163	0.07	105	142	18	24	7	<3	151
92251	<0.1	2.68	53	100	<3	1.22	10.8	47	23	145	8.23	0.20	2.13	1709	20	<0.01	25	0.10	103	123	29	16	<5	<3	141
92252	<0.1	3.24	33	25	<3	1.33	8.7	37	50	432	5.42	0.16	2.78	981	16	<0.01	38	0.11	90	89	25	37	9	<3	84

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum ns - Insufficient Sample - No Sample ANOMALOUS RESULTS - Further Analyses by Alternate Methods Suggested.

REPORT NUMBER: 900164 GA

JOB NUMBER: 900164

SULLIVAN MANAGEMENT/KRSTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag ppm	As ppb
80510	.1	nd
80511	.2	nd
80512	nd	nd
80513	nd	nd
80514	nd	nd
80515	nd	nd
80516	.4	20
80517	nd	20
80518	.1	20
80519	.2	nd
80520	.1	nd
80521	.1	nd
80522	nd	nd
80523	nd	nd
80524	nd	nd
80525	nd	10
80526	nd	10
80527	nd	10
80528	.1	40

DETECTION LIMIT 0.1 5
 nd = none detected -- = not analysed ls = insufficient sample

VANGOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, VSL IL6
 Ph: (604) 251-5656 Fax: (604) 251-17

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan*

REPORT #: 900164 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: REST 3/4 DATE IN: AUG 01 1990 DATE OUT: AUG 23 1990 ATTENTION: MR. STUART TENNANT PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
80510	0.1	1.37	<3	186	15	0.23	1.5	2	27	7	2.13	0.02	0.64	283	5	0.02	18	0.02	46	13	4	11	<5	15	125
80511	0.2	1.36	26	138	<3	1.20	1.6	5	41	12	2.89	<0.01	0.69	561	7	0.03	5	0.03	39	32	4	15	<5	10	170
80512	<0.1	1.53	46	324	<3	0.55	2.4	9	70	23	2.63	<0.01	0.65	679	14	0.02	<1	0.03	78	61	5	11	<5	13	131
80513	<0.1	1.12	51	141	<3	0.36	6.0	12	38	192	2.33	<0.01	0.59	413	22	0.02	5	0.03	96	85	8	6	<5	<3	135
80514	<0.1	0.98	18	67	<3	0.27	4.3	12	33	35	3.89	<0.01	0.42	852	16	0.02	8	0.03	83	62	9	7	<5	5	138
80515	<0.1	0.52	17	44	<3	0.62	<0.1	<1	33	11	1.32	0.03	0.11	437	3	<0.01	<1	0.02	11	<2	5	6	<5	6	49
80516	0.4	0.47	32	182	<3	1.08	<0.1	1	44	29	1.78	0.05	0.26	560	<1	0.02	<1	0.02	15	<2	2	22	<5	3	120
80517	<0.1	0.46	24	425	<3	0.69	<0.1	6	38	16	2.54	<0.01	0.23	390	9	0.02	<1	0.03	43	33	2	17	<5	3	125
80518	0.1	2.07	48	40	<3	2.75	8.8	26	73	294	4.93	<0.01	1.83	1430	14	0.03	11	0.04	96	86	11	17	13	13	100
80519	0.2	4.97	23	27	<3	2.70	14.3	48	27	236	8.35	<0.01	2.94	1438	24	0.05	21	0.08	260	170	18	16	<5	36	159
80520	0.1	3.82	<3	33	<3	2.61	9.1	46	18	232	8.86	<0.01	2.19	1700	16	0.05	15	0.08	103	115	17	10	<5	29	137
80521	0.1	2.77	<3	18	<3	4.29	7.6	32	13	228	7.00	<0.01	2.36	1742	10	0.04	7	0.06	64	75	9	20	<5	17	112
80522	<0.1	2.69	27	30	<3	0.15	4.1	7	25	20	2.78	<0.01	1.84	497	11	0.03	3	0.03	78	83	6	1	<5	20	133
80523	<0.1	1.50	63	57	<3	0.31	3.2	10	41	19	2.64	<0.01	0.72	674	15	0.02	<1	0.03	81	88	7	3	<5	8	110
80524	<0.1	1.58	74	19	<3	3.96	6.1	11	28	22	3.75	<0.01	2.47	1806	15	0.03	4	0.03	95	88	8	15	<5	10	118
80525	<0.1	0.32	<3	6	<3	5.32	1.9	3	63	<1	2.53	<0.01	2.08	1536	4	0.02	<1	0.02	13	17	6	30	<5	<3	35
80526	<0.1	4.38	12	6	<3	0.99	6.9	36	17	92	7.91	0.12	3.66	1162	6	0.06	1	0.08	70	76	12	18	<5	34	183
80527	<0.1	0.59	23	199	<3	1.06	<0.1	3	45	4	2.42	<0.01	0.45	686	4	0.02	<1	0.03	32	12	<2	12	<5	12	88
80528	0.1	0.76	41	414	<3	1.53	5.8	5	32	30	3.09	<0.01	0.63	1010	12	0.02	<1	0.03	46	43	6	21	<5	8	119

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

Appendix III

SAMPLE DESCRIPTIONS

Geochemical Data Sheet - ROCK SAMPLING

NTS 104B/15

Sampler Bill Chase
Date July 7/90

Project Dundee
Property B1-North Ron

Location Ronnie Ridge
M.D. LARD

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width TW	DESCRIPTION			OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm				
92622	4200'	select grabs		med. green chert?		very rusty	abundant, angular float	20	0.3				
23	"	select chips	2-4m		carb		abundant float sub or zone: E-W	50	1.0				
24	"	" "	2m	MONZ.	heavily altered	fine py		10	0.3				
25	4150'	chips	1m	green volc.		very rusty		30	0.5				
26	4100'	"	1m yes		qtz. carb ank, hem.	"	N65°E	10	0.4				
27	4150'	"	3m yes		" "	" "	parallel long depression	10	0.2				
28	4150'	"	40m	matiz/dyke/HBQs	actinolite	Py, Phyr.		10	0.3				
29	"	"	40m	" "	"	" "	other 1/2 of 92628.	nd	0.2				
92630		chips	1m 1.5m		silicified	very rusty	notable shear 350°	nd	0.1				
31	SE end Ron Ridge	chips	1/2 m	volcs	mal, az.	py, chalc	shear 340°	20	0.5				
32	4150'	chips	60cm 60cm	"	silicified shear	very rusty	344°/E	nd	0.1				
33	4000'	select chips	3m	volc	fract.	rusty py, phyr.		nd	0.1				
34	"	" "	2m	"	"	" "	} adj.	20	0.2				
35	"	" "	1m	"	"	" "		50	0.2				
36	4100'	" "	30m	porph. volc		rare py.		10	0.1				
37	4000'	" grabs		volc	qtz. carb.	rusty py, mal.	talus below prom. gossan	30	0.2				
38	4100'	chips	3m	green volc	chlorite	dis py	adj. prom linear @ 40°	30	0.1				
39		select chips		purple volc	carbonate		under uprooted tree, abundant ang. chips	10	0.1				
40		chips	1m	volc.	carb. siliceous	major rust	ankerite	10	0.1				
41	2000'	"	60-80cm 200cm	purple/gn volc.	carbs.		(east of B1 grid)	10	0.1				

Geochemical Data Sheet - ROCK SAMPLING

NTS 104B/15

Sampler Bill Chase
Date July 7-8 190

Project Dumdee
Property (B1) Ron

Location Ronnie Ridge
M.D. LIARD

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS			
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm		
92642	east of B1 grid	chips	15 cm	blue vole	calc-carb	py, chalc (dis)	N68°E / steep S.	10	0.2		
43	" "	"	10 cm		calc carb ank, chl.	dis py chalc, bornite		330	1.4		
July 8/90											
92644	4400'	chips	130 cm ?	blue vole	siliceous	dis sul. (10%)	east side Ronnie Ridge	20	1.3		
45	4400'	"	160 cm	"	"	(5%)	adj(N) 92644.	10	1.0		
46	"	"	150 cm	"	"	less than 5% py	" (S) 92644.	30	1.1		
47		select grabs		"	hem, lim.	5% py	ang. rubble pile.	10	0.2		
48	4150'	chips	50 cm	mafic volc		weak py, phyr	clasts 2-4 cm	20	0.2		
49	4100'?	"	45 cm	"	hematite epidote	" " 1cm massive	→ sulphides fract. filling frac zone N03°E	nd	nd		
92650		select chips	10 m		carb zone	fine dis sulphides	ankerite	nd	nd		
51	4000'	" "	5 cm	MONZ.	ankerite	fine dis py.	348° plunge west one of 8-10 qtz veins	10	0.1		
52	"	" "	10 cm	"		py, mal, chal.	" " " " " "	10	nd		
53	"	" "	10 cm	MONZ.	propolytic	" "	" " " " " "	10	nd		
54	"	" "	10 m	"		rare py.	q. v. clots	10	0.1		
55	"	select grabs	10 m	"	propolytic	minor dis py	" "	230	nd		
56	"	" "	20 m	mafic volc	frac. epihem mag	py, phyr.	epidote replacement in gas vugs?	10	1.2		
57	4000'	select chips	20 m	"	" " "	" "	100 m E 92656	20	0.2		
58	3900'	" "	20 m	"	" " "	up to 10% fine dis. sul		20	0.8		
59	4150'	" "	30 m	"	very frac. brittle	dis, smears fine sulphides		10	0.7		
92660	15m south 92625	chips	10 cm	" "	vuggy qtz	big globes micro. sul.	NW trend suggested by abundant qtz float in area.	30	1.0		

Geochemical Data Sheet - ROCK SAMPLING

NTS 104B/15

Sampler Bill Chase
Date July 8-9/90

Project Dundee
Property Ron

Location Ronnie Ridge
M.D. CIARO

July 9/90

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Hg ppm				
92661	±4150'	chips	2cm	qtz monz.	vuggy, hematite		qv @ 322°/vert	20	0.8				
62		"	60cm yes?	" "	qtz carb.	minor fine dis py	pt brecciated	10	0.5				
63		"	4cm yes	monz	qtz veinlet		flat-lying - 8°/south	30	0.3				
64	4000'	"	60cm yes	monz	qv. (2)	fine dis py	cooper 92651-3, lowest 2 q.v.s.	20	0.5				
65	"	"	70cm yes	min. monz	qv. (2)	minor py	" " " " next 2	20	0.4				
66	"	"	75cm yes	min. monz	" (3)	py. chal, mal.	" " " " next 3		0.8				
67	"	"	65cm yes	" "	qv (3)	py chal, mal.	" " " " next 3 uphill	10	0.6				
68	"	"	70cm yes	" "	" "	" "	" " " "	10	0.7				
69	4200'?	"	10cm yes	volc, 3 m.w. of monz.	chlorite, qtz sweat	py (minor) rusty		nd	0.4				
70	n. side	"	20cm yes	min monz.	qtz stringers	3 cm. fine dis. py	identical 92651. ang. float, monz. bubble	nd	0.8				
71	Ronnie Ridge	grab (float)		min monz.	qtz vein	py		nd	1.5				
72	"	chips	6cm	min. monz.	qv (rusty)	py. chal, mal	sub oc?	nd	0.9				
73	"	select grab		monz	quartzlets		series of 1 cm q.v.s.	nd	0.3				
74	"	"		"	"		" " " "	nd	0.7				
75	"	chips	6cm yes	fine. volc	qv	py chal, mal		nd	0.5				
76	"	"	4cm	monz.	qv.	fine py	sub oc?	30	0.4				
77	"	"	5cm yes	monz	qv	py		10	0.6				
78	100m w of west road	"	30cm yes	pyroclastic volc	pt siliceous pt vuggy qtz	major py.	many, hem. cinnabar? N 20°E vert	40	1.0				
79	4250'	"	30cm yes	volc-diorite	pt. siliceous epidote	chal, mal qz abundant	shear frac zone NS	120	8.0				
80	"	chips	30cm yes	" "	" "	chal, mal, qz.	center of above shear; heavy mineral matter, heavily corroded	30	13.5				

Geochemical Data Sheet - ROCK SAMPLING

NTS 104B/15

Sampler Bill Chase
Date July 9/90

Project Dundee
Property Ron

Location Ronnie Ridge
M.D. LIARD

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS		
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	
92681	4250	chips	45cm	volc-diorite	abund. epidote	chal, mal, py	west side shear as 2 previous	10	0.5	
92682		chips	3m ?	mafic (blue) volc	pt. siliceous, bleaching!	much dis. sulf.	zone has pos. 315° trend. Monz. int. 30m W.	30	0.4	
83		"	2.5m ?	"	"	"	NW orientation? chlo epi sulf. mix. prob/shear frag. occas replaced	10	0.5	
84		"	6.5cm TW!	mafiz volc	epidote qv	py heavy gosses	2 1/2 m from monz. contact.	10	0.3	
85		"	15cm	mafiz volc	shear zone	mass. sulf.	N trend shear. frac. zone monz. contact 2.5m W	20	0.7	
86		"	100cm	diorite	chlo, epi frac. zone	py, pluvr frac. frac.	strike 350°?	20	1.0	
87		"	20cm	ady diorite	chlorite pt. siliceous	mass. sulph. py, chal?	nodules replaced by sul. chlorite in mafiz volc.	130	3.0	
88		"	20cm ?	diorite	much epidote (replacement?)	pyrite	major? fracture. one of many goss. fractures on face.	20	0.8	
89		chips	10m	diorite mafiz trans	fractured	azurite		10	0.5	
92690		chips	80cm	"	major epidote frac.	mal, az, py, chalc	N 23° E / Plung NW includes 20cm vein matter.		2.2	
91	east of west Lake.	chips	20cm	mafiz volc	min. frac. zone	mass. sulf. (py)	fracture zone trends N 28° E, vert.	20	0.3	
92		"	50cm	mafiz volc	frac zone	mass. dis. sulphides		10	0.3	
93		"	30cm ?	mafiz volc contact with monz		mass. sul. chlo, contact		120	11.2	
94	DATA	chips	12cm	qtz carb. in volcs?	epidote qv	py	trends 250°, vert.			
95	ELSEWHERE	"	100cm	"	chlo, clay		" 250°, steep south			
96	BIN	"	5cm	frac. volcs?	chlo carb qtz	py.	190° vert			
97		"	3m	volc	carb. chlo. qtz		N 47° E?			
98										

Geochemical Data sheet - ROCK SAMPLING

NTS 104B/15
 Location East of grid
LIARD

Sampler Bill Chase
 Date July 10/90

Project Cumtoren Star
 Property B1 north

Location East of grid
 M.D. LIARD

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width TW	DESCRIPTION			OBSERVATIONS	ASSAYS			
				Rock Type	Alteration	Mineralization		As ppb.	Ag ppm.		
92694	east end, major oc.	chips	12cm	qtz carb in volcs.	major chb. qtz flooding	py	trends 250°, vert.	nd	0.4		
95	"	"	100 cm + 60 cm	" "	chb, clay bleached		" 250° steep south	nd	0.2		
96	"	"	5cm yes	frac. volc.	chb. carb. qtz	py	190°, vert.	nd	0.2		
97	"	"	3m	volc	carb. chb. qtz flood.		N 47° E?	40	0.2		
98	"	"	6cm	volc	dis. mass remnant in shear	dis. mass sulphides	strike 348°, plunge steep E	220	0.7		
92699	"	"	4cm	volc	qtz carb. bleached	well defined py, vuggy	N 10° E, vert. qtz. major chb. alt.	40	0.2		
92700	"	"	6-8cm		Carbonate chb. qtz bleaching	dis. stringer py	N 66° E, plunge steep N.	nd	0.3		
92801	"	select chips	1cm	blue green fresh volc	propylitic qtz stringer	mass py, phyr.	edge of major fault, sulphides on frac. faces	40	0.7		
02	NE side EW, NS faults	chips	100 cm TW 80	vert. shear in volcs.	qtz chb flooding epidote	py		nd	0.4		
03	"	"	40 cm yes	"	carb., talc chb.	minor dis. py	vert. fault. 252°	nd	0.5		
04	"	"	3m yes	blue volc	pt. carb. chb. with well chb.	very fine py	EW shear/fault (major), includes .6m clay, qtz alt. 48°/vert	20	0.4		
05	"	"	2m near TW	qtz flood in alt. zone	chb. epidote repl. major clay	py (dis) minor quartz (sulphides)	20 x 2 cm qtz stringers N10° E S. side major EW fault/draw	20	0.3		
06	"	select grab	TW 3m	alt green volcs.	major clay chlorite alt.	pt carb. gossans	inside main EW fault, E end. 80° plunge steep south	nd	0.4		
07	"	"	8cm	"	chb. calate carb alt.	well vusted	fault adj. above. N 65° E	nd	0.3		
08	"	grab	100cm 200cm		carb zone	mal.	70°, vert.	nd	0.2		
09	"	chips	60cm TW?	maybe volc	chb. epi-	mal, dis py, chalc		40	2.5		
92810	"	select chips	2cm	"	wide carb zone	dis. smears py	70° (50° N down dip)	20	0.4		
11	"	chips	15cm	"	Stagnant carb. chb. vuggy qtz	min shear py.	strike N 14° E, vert	220	1.5		
12	"	"	10cm	volc	carb. zone chb. alt.	fine sulphides	N 68° E steep south	20	0.4		
13	4m E to 200m, 7H 40E	grab.	6cm TW?			mass. sulph. vcn	sugar quartz remnant. 120°/SW	2000	2.2		

Geochemical Data Sheet - ROCK SAMPLING

NTS 104 B-15

Sampler Kent Forster, Wes Grier
Date July 23, 1990

Project Iskut
Property B-1 North

Location Ref More Cr.
Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppm	Ag ppm				
92234	L4100/0400E	Rock	30cm	Andsite	Limonite Staining	Fe Pyrite		nd	nd				
92235	L4100/0450E		30cm	"	"	"		nd	nd				
92236	L4100/1100E		30cm	"			No visible mineralization	nd	nd				
92237	L4100/2100E		30cm	Carbonate Shear	Limonite Staining	Fe Pyrite	15m x 10m Qtz. Stringers	nd	nd				
92238	L4100/2150E		30cm	Green Volcanic				nd	nd				
92239	L4100/2150E		30cm	Andsite + Chlorite	Limonite Staining	Fe Pyrite Malichite		60	4				
92240	L4100/4150E		30cm	Andsite	No visible Mineralization			30	nd				
92241	L4100/5100E		30cm	"		Fe Pyrite		nd	nd				
92242	L4100/5150E		30cm	"	No mineralization			120	nd				
92243	L4100/6100E		30cm	"	Limonite Staining	Fe Pyrite		nd	nd				
92244	L4100/6150E		30cm	Altered Andsite		"		nd	nd				
92245	L4100/7100E		30cm	"		"		30	nd				
92246	L4100/8100E		30cm	Green Vol.				nd	nd				
92247	L4100/8150E		30cm	Andsite		Pyrite		nd	nd				
92248	L4100/9100E		30cm	"				nd	nd				
92249	L4100/9150E		30cm	"		Fe Pyrite		nd	nd				
92250	L4100/10100E		30cm	"		"		nd	nd				

Geochemical Data Sheet - ROCK SAMPLING

NTS 104B15

Sampler D. WITCZIK - J. LEE

Project REST 3/4

Location Ref KICUT

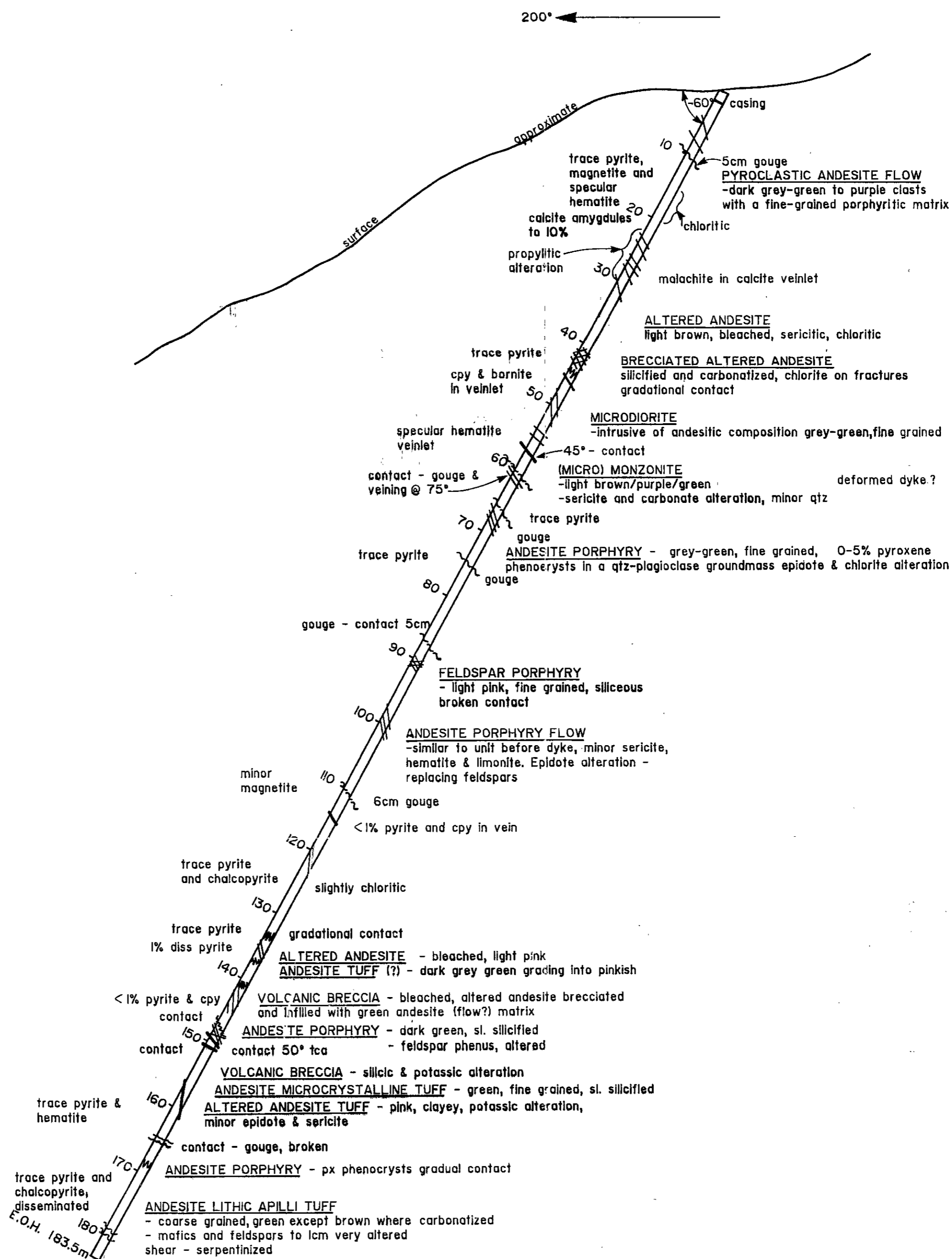
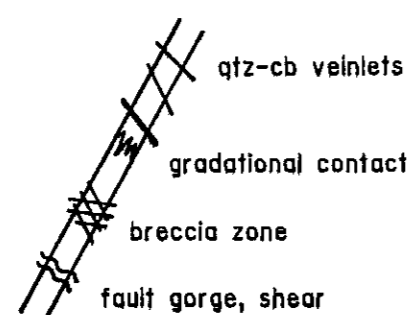
Date JULY 30/90

Property _____

Air Photo No LIARD

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS						
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm					
80510	4593 1400m	ROCK	GRAB	ANTISITE			WHITE BLEACHED OUTCROP	nd	0.1					
80511	4527 1380m	"	GRAB	ANCHORITE			BLEACHED CARBONATE SURFACE 50m NE SAMPLE 80510	nd	0.2					
80512	4429 1350m	"	GRAB	ANCHORITE			BLEACHED WHITE SURFACE 50m NE SAMPLE 80511	nd	nd					
80513	1350m	"	GRAB	ANCHORITE			SILICIFIED, CARBONATE STAINING 50m NE SAMPLE 80512	nd	nd					
80514	1350m	"	GRAB	ANTISITE			LIMEONITE STAIN 50m NE SAMPLE 80513	nd	nd					
80515	1350m	"	GRAB	ANTISITE			LIMEONITE STAINED OUTCROP 50m NE SAMPLE 80514	nd	nd					
80516	1350m	"	GRAB	ANCHORITE			ORANGE CARBONATE STAIN 50m NE SAMPLE 80515	20	0.4					
80517	1350m	"	GRAB	ANCHORITE			ORANGE CARBONATE STAIN 50m NE SAMPLE 80516	20	nd					
80518	4363 1330m	"	GRAB			QUARTZ	QUARTZ VEIN 8cm WIDE VISIBLE 25m STRIKE 10°N DIP 32° 80m NE	20	0.1					
80519	1330m	"	GRAB			QUARTZ	QUARTZ SCHIST LIMEONITE STAIN. 65m NE SAMPLE 80518	nd	0.2					
80520	1330m	"	GRAB	ANCHORITE			ORANGE CARBONATE STAIN 50m NE SAMPLE 80519	nd	0.1					
80521	1330m	"	GRAB	ANCHORITE		QUARTZ	ORANGE CARBONATE QUARTZ CRYSTALS. 50m NE SAMPLE 80520	nd	0.1					
80522	4396 1340m	"	GRAB	VOLCANIC GREEN.			GREEN VOLCANIC. 50m NE SAMPLE 80521	nd	nd					
80523	1340m	"	GRAB	ANTISITE			ORANGE CARBONATE STAIN 50m NE SAMPLE 80522	nd	nd					
80524	1340m	"	30cm			PIRITE PHELSPAR	CHERT CARBONATE STAINING 50m NE SAMPLE 80523	nd	nd					
80525	1340m	"	31cm			PIRITE PHELSPAR	CHERT CARBONATE STAIN 50m NE SAMPLE 80524	10	nd					
80526	1340m	"	1m.	ANDSITE			LIMEONITE STAINING 50m NE SAMPLE 80525	10	nd					
80527	3280 1000m	"	GRAB	ANDSITE		QUARTZ	CARBONATE STAIN BOULDER FLOAT 1500m E GLACIAL TOE	10	nd					
80528	1000m	"	GRAB	ANDSITE		QUARTZ PYRITE	CARBONATE STAIN, BOULDER FLOAT 1000m E GLACIAL TOE	40	0.1					

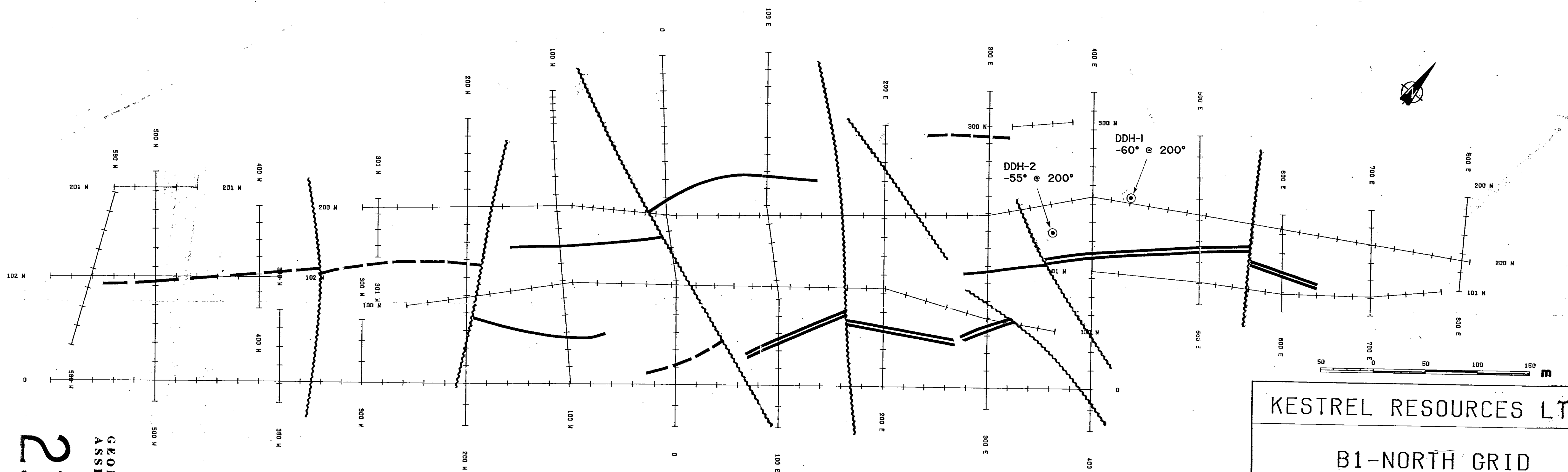
LEGEND



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,411

KESTREL RESOURCES LTD.	
Title	B1-N CLAIM GROUP DDH 90-1 PROFILE
Scale	1:50
Date	April 1991
Drawn	B.D.S.
Figure	7








KESTREL RESOURCES LTD.

B1-NORTH GRID

GEOPHYSICAL SURVEY
INTERPRETATION

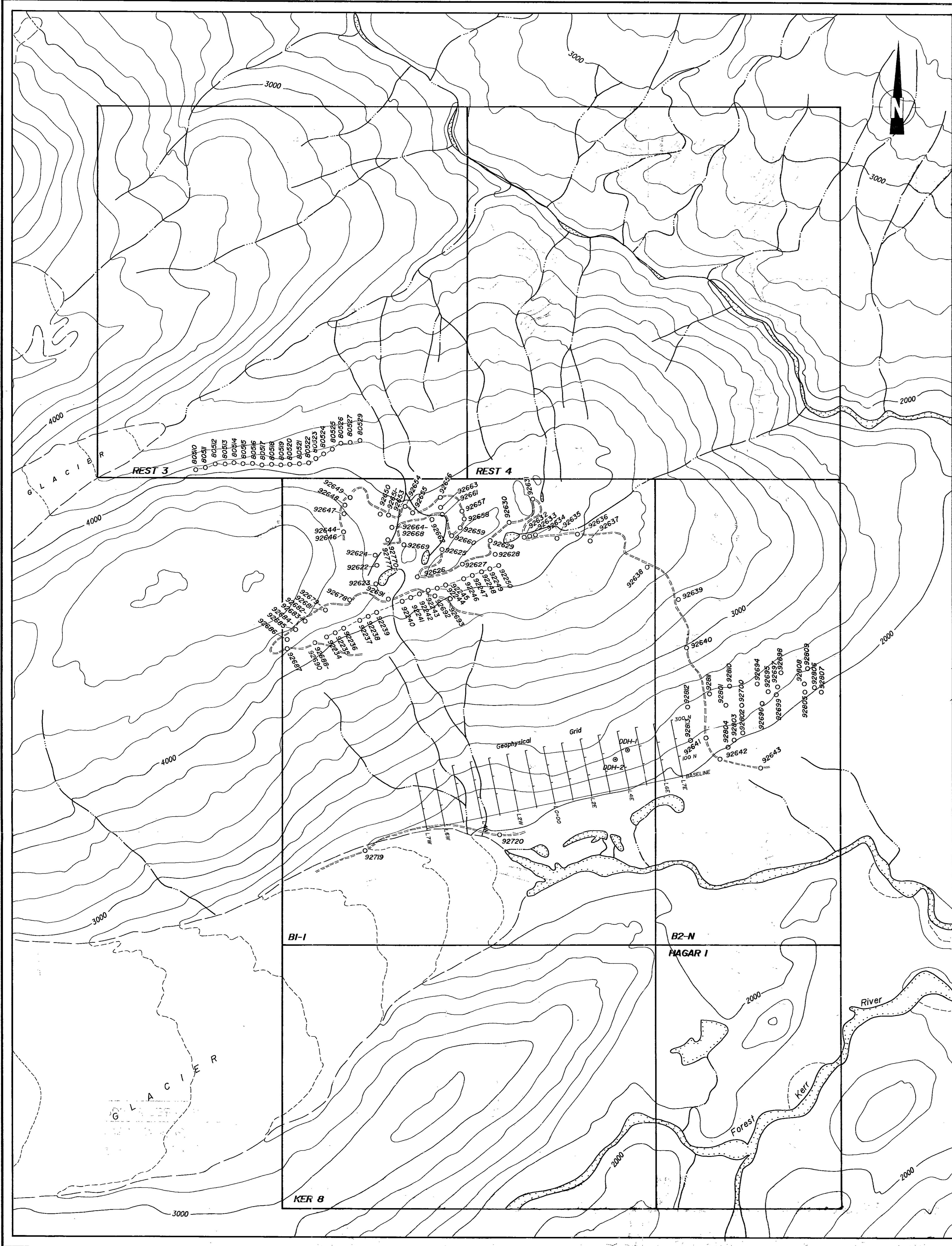
LIARD MINING DIVISION, B.C.

- LEGEND**
-  INTERPRETED FAULT
 -  CONDUCTOR
 -  STRONG
 -  MODERATE
 -  WEAK

SCALE 1:2,000

COMPILED	N-T-S.	DATE	FIG. NO.
F.SYBERG	104B/15	MARCH, 1991	5

GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,411



Sample No.	Au (ppb)	Ag (ppm)	Sample No.	Au (ppb)	Ag (ppm)
92622	20	0.3	92651	10	0.1
92623	50	1.0	92652	10	nd
92624	10	0.3	92653	10	nd
92625	30	0.5	92654	10	0.1
92626	10	0.4	92655	230	nd
92627	10	0.2	92656	10	1.2
92628	10	0.3	92657	20	0.2
92629	nd	0.2	92658	20	0.8
92630	nd	0.1	92659	10	0.7
92631	20	0.5	92660	30	1.0
92632	nd	0.1	92661	20	0.8
92633	nd	0.1	92662	10	0.5
92634	20	0.2	92663	30	0.3
92635	50	0.2	92664	20	0.5
92636	10	0.1	92665	20	0.4
92637	30	0.2	92666	20	0.8
92638	30	0.1	92667	10	0.6
92639	10	0.1	92668	10	0.7
92640	10	0.1	92669	nd	0.4
92641	10	0.1	92670	nd	0.8
92642	10	0.2	92671	nd	1.5
92643	330	1.4	92672	nd	0.9
92644	20	1.3	92673	nd	0.3
92645	10	1.0	92674	nd	0.7
92646	30	1.1	92675	nd	0.5
92647	10	0.2	92676	30	0.4
92648	20	0.2	92677	10	0.6
92649	nd	nd	92678	40	1.0
92650	nd	nd	92679	120	8.0
			92680	30	13.5
			92681	10	0.5
			92682	30	0.4
			92683	10	0.5
			92684	10	0.3
			92685	20	0.7
			92686	20	1.0
			92687	130	3.0
			92688	20	0.8
			92689	10	0.5
			92690	80	2.2
			92691	20	0.3
			92692	10	0.3
			92693	120	11.2
			92694	nd	0.4
			92695	nd	0.2
			92696	nd	0.2
			92697	40	0.2
			92698	220	0.7
			92699	40	0.2
			92700	nd	0.3

Sample No.	Au (ppb)	Ag (ppm)	Sample No.	Au (ppb)	Ag (ppm)
92234	nd	nd	80510	nd	0.1
92235	nd	nd	80511	nd	0.2
92236	nd	nd	80512	nd	nd
92237	nd	nd	80513	nd	nd
92238	nd	nd	80514	nd	nd
92239	60	0.4	80515	nd	nd
92240	30	nd	80516	20	0.4
92241	nd	nd	80517	20	nd
92242	120	nd	80518	20	0.1
92243	nd	nd	80519	nd	0.2
92244	nd	nd	80520	nd	0.1
92245	30	nd	80521	nd	0.1
92246	nd	nd	80522	nd	nd
92247	nd	nd	80523	nd	nd
92248	nd	nd	80524	nd	nd
92249	nd	nd	80525	10	nd
92250	nd	nd	80526	10	nd
			80527	10	nd
			80528	40	0.1

LEGEND
 ○ Rock Chip Sample
 ~~~~~ Traverse

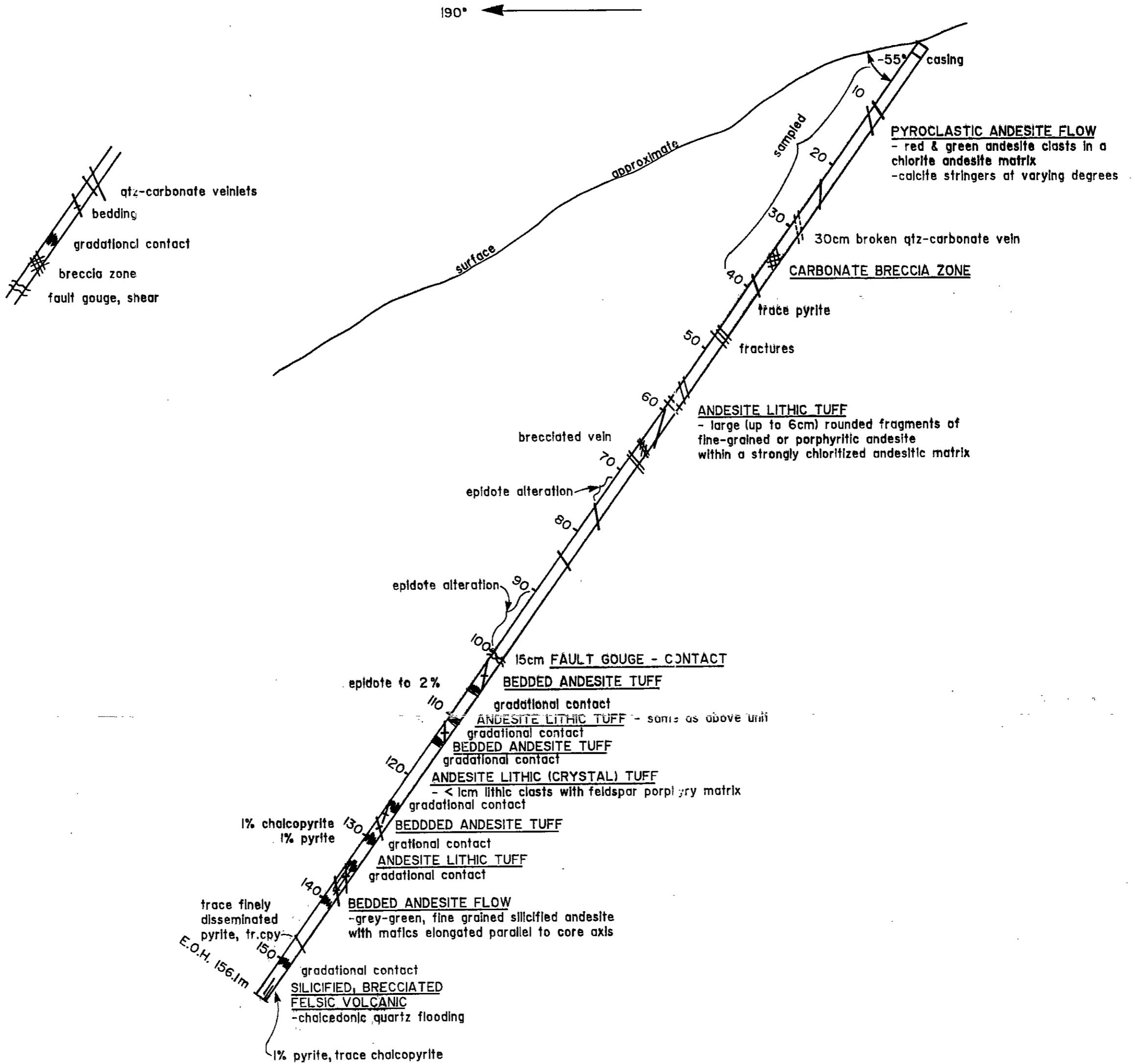
**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**21,411**  
 0 200 400 600 800m

KESTREL RESOURCES LTD.  
 BI-N CLAIM GROUP  
 LITHOGEOCHEMICAL  
 SAMPLE MAP

LIARD MINING DIVISION, B.C. NTS: 104B/15  
 DATE: APRIL 1991 SCALE: 1:10000  
 DRAWN: S. TENNANT FIGURE: 5





**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**21,411**

|                                                           |            |
|-----------------------------------------------------------|------------|
| <b>KESTREL RESOURCES LTD.</b>                             |            |
| Title<br><b>B1-N CLAIM GROUP<br/>DDH 90-2<br/>PROFILE</b> |            |
| Scale                                                     | 1:50       |
| Date                                                      | April 1991 |
| Drawn                                                     | B.D.S.     |
| Figure                                                    | 8          |